DOE / EIA-0130(2002 / 01)

Natural Gas Monthly
January 2002

Energy Information Administration
Office of Oil and Gas
U.S. Department of Energy
Washington, DC 20585

Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
Natural Gas Weekly Update	PDF	Analysis of current price, supply and storage data
Natural Gas Monthly	PDF	Monthly supply, disposition, and price data
Natural Gas Annual	PDF	Annual supply, disposition, and price data
Historical Natural Gas Annual	PDF	Historical annual supply, disposition, and price data from 1930 - 1999
Issues and Trends	PDF	Comprehensive analysis of growth and change in the natural gas industry
U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves	PDF	Proved reserves in the United States
Oil and Gas Field Code Master List	PDF	Listing of U.S. oil and gas field names
Databases		
Monthly Data	TXT	Tables 1-6, and 9 from the *Natural Gas Monthly*
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the *Natural Gas Annual*
Historical Annual Data	TXT	Tables from the *Historical Natural Gas Annual*
Field Codes	EXE	Oil & Gas Field Code Master List
Applications		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Margaret Natof (202) 586-6303. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
Btu	British Thermal Unit	MMcf	Million Cubic Feet
DOE	U.S. Department of Energy	MMS	United States Minerals Management Service, U.S. Department of the Interior
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STEO	Short Term Energy Outlook
IOGCC	Interstate Oil and Gas Compact Commission	Tcf	Trillion Cubic Feet
LNG	Liquefied Natural Gas		

Contents

Tables

Figures

Highlights

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through January 2002 for many data series at the national level. National-level natural gas prices are available through September 2001 (electric utilities), October (residential, commercial, and industrial), and December (wellhead). State-level data generally are available through October 2001, although underground storage data are available through November 2001.

Recent analyses of the natural gas industry are available on the EIA web site, under "Featured Topics" to the right side of the home page. The first two reports listed below are updated regularly, while the third is a one-time report that was released in December 2001. These reports are:

- *Natural Gas Weekly Update* - a current analysis of the industry each week, including information on natural gas spot and futures prices and storage activities. This page also provides links to numerous other EIA sites dealing with natural gas.
- *Short Term Energy Outlook* - projections of energy consumption, supply, and price by type of fuel, including natural gas, for the next 18 months.
- *U.S. Natural Gas Markets: Mid-Term Prospects for Natural Gas Supply* — This study updates the May 2001 EIA study, *U.S. Natural Gas Markets: Recent Trends and Prospects for the Future*, and provides a more detailed examination of four topics requested by Secretary Abraham. These include: (1) the impact of drilling on wellhead natural gas supply, (2) the potential for future imports of liquefied natural gas (LNG), (3) the impacts of removing limitations on access to Federal lands and offshore areas, and (4) an analysis of data improvements that would support a better understanding of natural gas markets.

Other natural gas data and analyses may be found through the "Natural Gas" section of EIA's web site. In the center section of the home page, the user should place the cursor on "By Fuel," then click on "Natural Gas" in the drop-down menu.

Table 1. Summary of Natural Gas Production in the United States, 1996-2002

(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed[a]	Vented and Flared	Marketed Production (Wet)	Extraction Loss[b]	Dry Gas Production[c]
1996 Total	**24,114**	**3,511**	**518**	**272**	**19,812**	**958**	**18,854**
1997 Total	**24,213**	**3,492**	**599**	**256**	**19,866**	**964**	**18,902**
1998 Total	**24,108**	**3,427**	**617**	**103**	**19,961**	**938**	**19,024**
1999 Total	**23,823**	**3,293**	**615**	**110**	**19,805**	**973**	**18,832**
2000							
January	2,061	302	51	8	1,700	86	1,614
February	1,917	289	50	10	1,569	80	1,489
March	2,085	307	54	7	1,717	87	1,630
April	1,966	282	51	10	1,623	82	1,540
May	2,009	264	52	8	1,686	86	1,600
June	1,971	268	52	8	1,643	83	1,560
July	2,024	264	53	11	1,697	86	1,611
August	2,042	275	53	8	1,707	87	1,620
September	1,985	279	52	8	1,647	84	1,563
October	2,088	302	53	8	1,725	88	1,638
November	1,986	297	45	7	1,636	83	1,553
December	2,019	306	54	7	1,652	84	1,568
Total	**24,153**	**3,434**	**617**	**100**	**20,002**	**1,016**	**18,987**
2001							
January	E2,131	E320	E41	E9	E1,761	E89	E1,671
February	E1,928	E292	E38	E8	E1,591	E81	E1,510
March	E2,154	E339	E41	E9	E1,766	E90	E1,676
April	E2,058	E309	E38	E8	E1,702	E86	E1,615
May	E2,104	E302	E40	E9	E1,754	E89	E1,665
June	RE1,993	RE286	E37	E8	RE1,662	E84	RE1,578
July	RE2,057	E287	E40	RE9	RE1,720	RE87	RE1,633
August	E2,058	E295	E40	E10	E1,714	E87	E1,627
September	RE1,990	RE276	RE39	E9	RE1,667	E85	RE1,582
October	RE2,069	RE290	E40	E10	E1,729	E88	E1,641
November	E2,003	E282	E39	E9	E1,673	E85	E1,588
December(STIFS)	NA	NA	NA	NA	E1,644	E84	E1,560
Total	NA	NA	NA	NA	**RE20,382**	**RE1,036**	**RE19,346**
2002							
January(STIFS)	NA	NA	NA	NA	E1,677	E85	E1,592

[a] See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

[b] Extraction loss is collected only on an annual basis. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

[c] Equal to marketed production (wet) minus extraction loss.

E Estimated Data.

RE Revised Estimated Data.

NA Not Available.

Notes: Data for 1996 through 2000 are final. All other data are preliminary unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1996-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000.* January 2001 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1996-2002

(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels[a]	Net Imports	Net Storage Withdrawals[b]	Balancing Item[c]	Consumption[d]
1996 Total	**18,854**	**109**	**2,784**	**2**	**217**	**21,967**
1997 Total	**18,902**	**103**	**2,837**	**24**	**61**	**21,959**
1998 Total	**19,024**	**102**	**2,993**	**-530**	**-334**	**21,277**
1999 Total	**18,832**	**98**	**3,422**	**172**	**-897**	**21,620**
2000						
January	1,614	9	308	799	-220	2,510
February	1,489	8	279	460	95	2,331
March	1,630	7	286	155	-28	2,051
April	1,540	6	277	-47	6	1,783
May	1,600	6	268	-237	-5	1,633
June	1,560	5	280	-291	-41	1,513
July	1,611	7	303	-296	-99	1,526
August	1,620	7	298	-201	-71	1,653
September	1,563	6	284	-297	-81	1,475
October	1,638	7	301	-247	-131	1,568
November	1,553	8	305	295	-252	1,909
December	1,568	9	349	735	-74	2,587
Total	**18,987**	**86**	**3,538**	**829**	**-827**	**22,547**
2001						
January	E1,671	RE8	346	467	R140	2,632
February	E1,510	RE7	302	338	R132	2,287
March	E1,676	RE7	325	181	R18	2,207
April	E1,615	RE6	297	-276	R126	1,767
May	E1,665	RE5	300	-448	R-42	1,480
June	RE1,578	RE5	299	-422	R-81	1,379
July	RE1,633	RE7	335	-376	R-74	R1,524
August	E1,627	RE6	326	-305	R-116	1,537
September	RE1,582	RE6	E283	-368	R-98	1,406
October	E1,641	RE6	RE295	-189	R-187	1,567
November	E1,588	E7	E284	-83	E-189	RE1,607
December(STIFS)	E1,560	RE9	E292	RE353	RE-143	E2,072
Total	**RE19,346**	**RE79**	**RE3,684**	**R-1,130**	**RE-514**	**RE21,465**
2002						
January(STIFS)	E1,592	E9	E299	E595	E-133	E2,362

[a] Supplemental gaseous fuels data are collected only on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

[b] Monthly and annual data for 1996 through 2000 include underground storage and liquefied natural gas storage. Data for January 2001 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

[c] Represents quantities lost and imbalances in data due to differences among data sources. Annual balancing item for 1997-2000 includes net intransit deliveries through the United States for natural gas not contained in the monthly net imports figures. These intransit deliveries were (in billion cubic feet): -65 for 2000; -8 for 1999; 22 for 1998; 31 for 1997. See Appendix A, Explanatory Note 9, for full discussion.

[d] Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

[R] Revised Data.

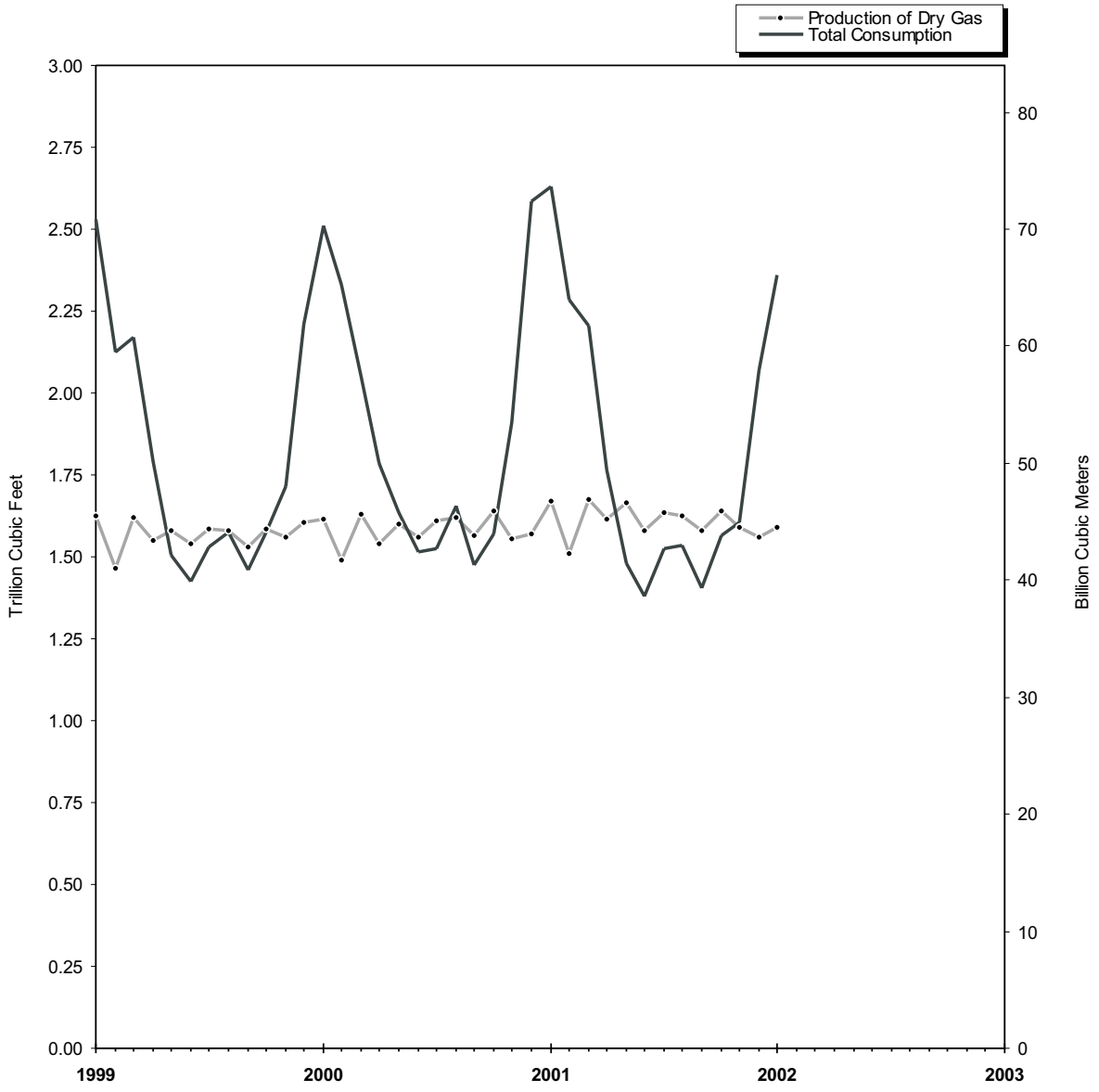
[E] Estimated Data.

[RE] Revised Estimated Data.

Notes: Data for 1996 through 2000 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1996-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, *"Natural Gas Imports and Exports."* See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1999-2002



Source: Table 2.

Table 3

Table 3. Natural Gas Consumption in the United States, 1996-2002

(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel[a]	Pipeline Fuel[b]	Delivered to Consumers					Total Consumption
			Residential	Commercial [c]	Industrial	Electric Utilities	Total	
1996 Total	**1,250**	**711**	**5,241**	**3,161**	**8,870**	**2,732**	**20,006**	**21,967**
1997 Total	**1,203**	**751**	**4,984**	**3,219**	**8,832**	**2,968**	**20,004**	**21,959**
1998 Total	**1,173**	**635**	**4,520**	**3,005**	**8,686**	**3,258**	**19,469**	**21,277**
1999 Total	**1,079**	**645**	**4,726**	**3,050**	**9,006**	**3,113**	**19,895**	**21,620**
2000								
January	96	73	862	454	835	190	2,342	2,510
February	89	67	774	423	809	167	2,174	2,331
March	97	59	550	353	785	208	1,894	2,051
April	92	51	401	259	767	215	1,640	1,783
May	94	46	228	183	772	309	1,492	1,633
June	92	43	154	150	767	307	1,378	1,513
July	95	43	128	139	746	373	1,387	1,526
August	96	47	122	153	825	410	1,510	1,653
September	93	42	141	151	765	284	1,340	1,475
October	98	44	236	184	793	213	1,426	1,568
November	93	55	482	293	806	180	1,761	1,909
December	94	75	913	475	843	187	2,418	2,587
Total	**1,130**	**644**	**4,992**	**3,226**	**9,512**	**3,043**	**20,772**	**22,547**
2001								
January	E99	75	982	525	794	157	2,457	2,632
February	E90	65	787	450	753	143	2,132	2,287
March	E100	63	686	395	792	171	2,045	2,207
April	E96	51	409	272	729	211	1,620	1,767
May	E99	42	214	192	697	235	1,339	1,480
June	RE94	39	149	164	673	261	1,246	1,379
July	RE97	44	125	149	755	355	1,383	R1,524
August	E97	44	118	155	763	360	1,396	1,537
September	E94	40	129	157	732	254	1,272	1,406
October	E98	45	236	204	760	224	1,424	1,567
November(STIFS)	RE90	R51	E336	E241	E737	NA	E1,466	RE1,607
December(STIFS)	E98	E68	E606	E364	E783	NA	E1,905	E2,072
Total	**RE1,152**	**RE628**	**RE4,777**	**RE3,265**	**RE8,969**	NA	**RE19,685**	**RE21,465**
2002								
January(STIFS)	E93	E77	E811	E443	E805	NA	E2,192	E2,362

[a] Plant fuel data and monthly lease fuel data are collected only annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

[b] Pipeline fuel use is collected only on an annual basis. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

[c] Vehicle fuel is included in the annual total of deliveries to commercial consumers for 1996-2000 but not in the monthly volumes. Volumes delivered for use as vehicle fuel (in billion cubic feet) were 2.9 in 1996, 4.4 in 1997, 5.1 in 1998, 5.7 in 1999, and 8.3 in 2000.

R Revised Data.

E Estimated Data.

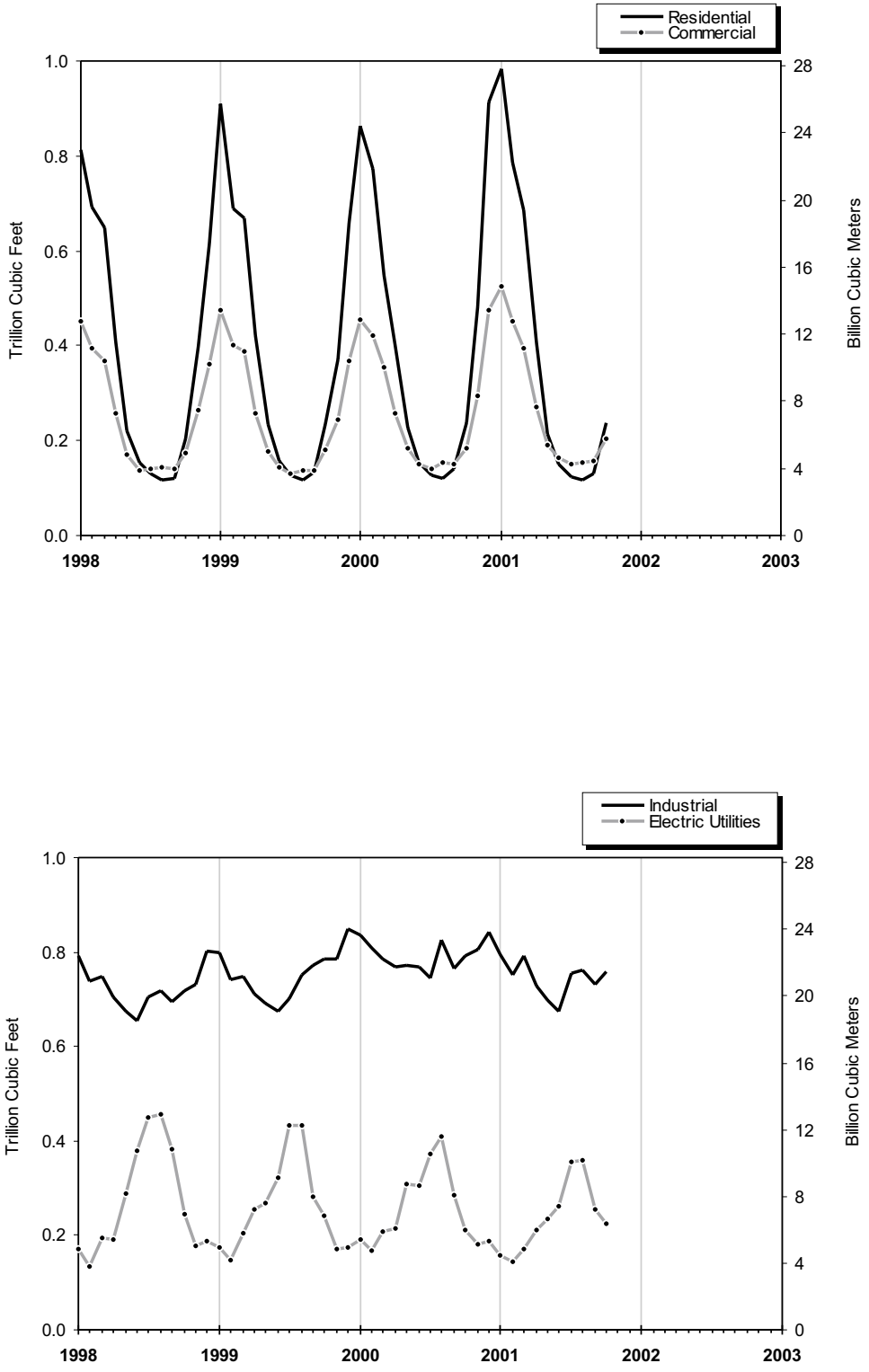
RE Revised Estimated Data.

NA Not Available.

Notes: Data for 1996 through 2000 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. See Explanatory Note 5 for further explanation.

Sources: 1996-2000: Energy Information Administration (EIA): Form EIA-895 "Monthly Quantity and Value of Natural Gas Report," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 2000.* January 2001 through the current month: EIA: Form EIA-895, Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1998-2001



Source: Table 3.

Table 4

Table 4. Selected National Average Natural Gas Prices, 1995-2001

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price[a]	City Gate Price	Delivered to Consumers					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total[b]	Price	% of Total[b]	
1995 Annual Average	**1.55**	**2.78**	**6.06**	**5.05**	**76.7**	**2.71**	**24.5**	**2.02**
1996 Annual Average	**2.17**	**3.34**	**6.34**	**5.40**	**77.6**	**3.42**	**19.4**	**2.69**
1997 Annual Average	**2.32**	**3.66**	**6.94**	**5.80**	**70.8**	**3.59**	**18.1**	**2.78**
1998 Annual Average	**1.96**	**3.07**	**6.82**	**5.48**	**67.0**	**3.14**	**16.1**	**2.40**
1999								
January	1.85	2.85	6.00	5.19	73.1	3.29	16.9	2.32
February	1.77	2.92	6.29	5.28	69.7	2.92	16.8	2.26
March	1.70	2.77	6.06	4.97	69.2	2.96	17.4	2.15
April	1.90	2.88	6.44	5.31	65.3	3.00	16.6	2.29
May	2.17	3.25	7.30	5.34	61.0	2.86	16.0	2.57
June	2.14	3.12	8.20	5.29	61.0	2.82	15.8	2.53
July	2.20	3.11	8.83	5.43	58.2	2.86	15.7	2.58
August	2.51	3.39	9.14	5.45	56.5	2.98	18.9	2.86
September	2.62	3.59	8.63	5.55	60.0	3.40	17.6	2.98
October	2.52	3.21	7.56	5.46	61.6	3.20	17.5	2.83
November	2.68	3.71	7.15	5.72	63.0	3.51	17.7	3.01
December	2.24	3.19	6.51	5.57	67.9	3.16	21.2	2.68
Annual Average	**2.19**	**3.10**	**6.69**	**5.33**	**66.2**	**3.10**	**17.5**	**2.62**
2000								
January	2.60	3.27	6.37	5.78	66.5	3.41	18.7	2.74
February	2.73	3.48	6.54	5.96	67.4	3.68	19.4	2.96
March	2.66	3.54	6.91	5.78	62.4	3.54	18.2	3.00
April	2.86	3.72	7.19	6.04	61.2	3.59	18.0	3.23
May	3.04	4.15	8.26	5.98	59.6	3.67	17.0	3.63
June	3.77	5.19	9.50	6.49	56.5	4.24	18.1	4.45
July	3.84	5.20	10.33	6.56	55.5	4.55	17.6	4.35
August	3.73	4.63	10.37	6.09	57.7	4.33	17.1	4.27
September	4.26	5.21	10.10	6.93	56.0	4.88	16.5	4.85
October	4.58	5.66	9.44	7.49	58.5	5.45	16.6	5.17
November	4.40	5.20	8.58	7.57	63.0	5.39	19.8	5.37
December	5.77	6.64	8.56	8.20	67.5	6.67	20.4	8.23
Annual Average	**3.69**	**4.62**	**7.76**	**6.59**	**62.9**	**4.48**	**18.1**	**4.38**
2001								
January	[E]8.06	8.90	10.05	9.34	69.0	8.68	15.8	9.47
February	[E]5.84	7.25	10.34	9.68	66.9	7.28	15.6	6.85
March	[E]5.15	6.19	9.87	8.99	65.8	6.35	14.4	5.69
April	[E]5.21	6.44	10.16	8.82	63.4	6.13	13.8	5.70
May	[E]4.56	5.89	10.94	8.49	56.5	5.41	12.0	5.14
June	[E]3.88	5.36	11.51	6.92	60.8	4.75	12.1	4.51
July	[E]3.39	4.13	11.02	7.01	53.3	3.88	17.9	3.83
August	[E]3.23	4.40	10.70	6.57	53.7	3.80	17.2	3.72
September	[E]2.55	3.66	10.22	6.37	53.5	3.26	18.2	3.15
October	[E]2.40	3.50	8.26	5.94	57.2	3.07	18.5	NA
November	[E]2.74	NA	NA	NA	NA	NA	NA	NA
December	[E]2.38	NA	NA	NA	NA	NA	NA	NA
YTD Total	**[E]4.12**	**6.27**	**10.15**	**8.45**	**62.6**	**5.16**	**15.6**	**4.88**

[a] See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

[b] Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for State data.

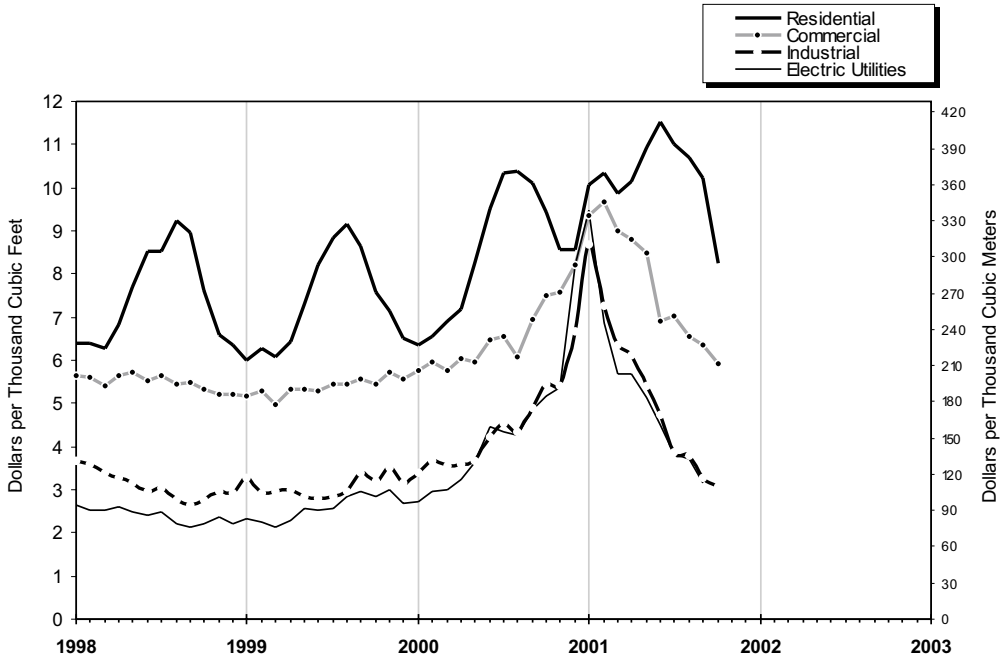
[E] Estimated Data.

NA Not Available.

Notes: Data for 1995 through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

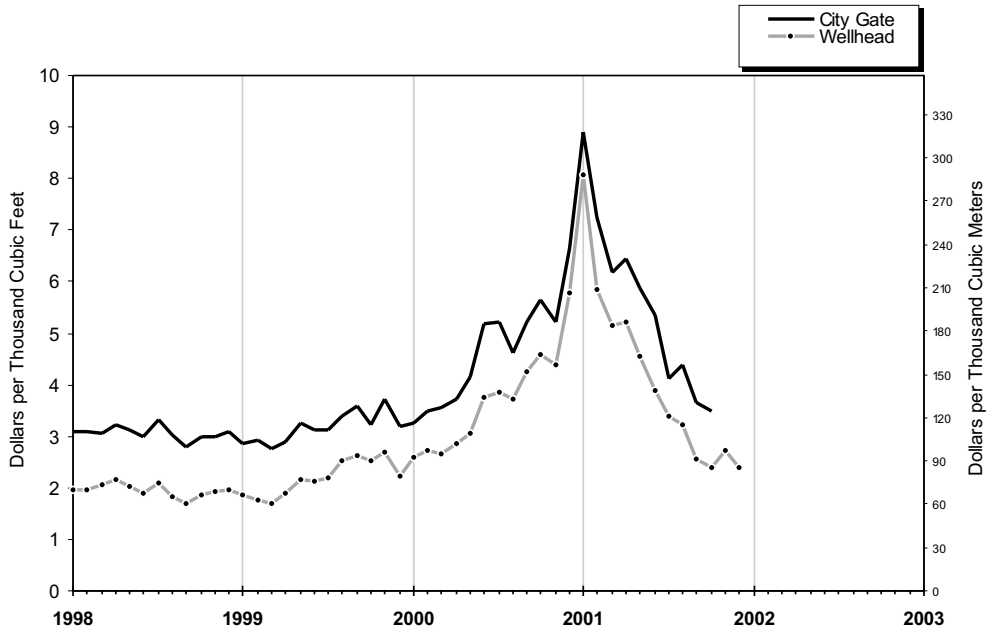
Sources: 1995-2000: Energy Information Administration (EIA) *Natural Gas Annual 2000.* January 2001 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1998-2001



Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 1998-2001



Source: Table 4.

Table 5

Table 5. U.S. Natural Gas Imports, by Country, 1995-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG					
	Canada		Mexico		Algeria		Australia		Nigeria	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1995 Total	**2,816,408**	**1.48**	**6,722**	**1.53**	**17,918**	**2.30**	**0**	—	**0**	—
1996 Total	**2,883,277**	**1.96**	**13,862**	**2.25**	**35,325**	**2.70**	**0**	—	**0**	—
1997 Total	**2,899,152**	**2.15**	**17,243**	**2.31**	**65,675**	**2.67**	**9,686**	**2.92**	**0**	—
1998 Total	**3,052,073**	**1.95**	**14,532**	**2.03**	**68,567**	**2.51**	**11,634**	**3.30**	**0**	—
1999										
January	292,833	2.02	4,891	1.74	13,066	2.42	0	—	0	—
February	269,126	1.90	4,398	1.69	7,684	2.51	2,557	3.55	0	—
March	287,769	1.77	751	1.60	13,090	2.44	0	—	0	—
April	257,065	1.83	4,193	2.02	7,637	2.35	0	—	0	—
May	275,219	2.18	6,844	1.94	3,898	2.13	0	—	0	—
June	260,240	2.13	4,978	2.12	2,528	2.17	2,314	2.33	0	—
July	278,424	2.17	3,877	2.21	5,134	2.18	0	—	0	—
August	288,717	2.39	6,028	2.61	2,554	2.17	2,302	2.37	0	—
September	280,798	2.64	4,643	2.39	7,593	2.49	0	—	0	—
October	287,177	2.50	4,168	2.49	5,118	2.48	2,309	2.42	0	—
November	284,514	2.85	6,463	2.31	2,440	2.85	0	—	0	—
December	305,663	2.32	3,296	2.08	5,021	2.51	2,422	2.76	0	—
Total	**3,367,545**	**2.23**	**54,530**	**2.14**	**75,763**	**2.41**	**11,904**	**2.70**	**0**	—
2000										
January	310,181	2.42	2,911	2.30	5,026	2.61	0	—	0	—
February	289,222	2.57	730	2.50	4,987	3.76	0	—	0	—
March	291,469	2.60	316	2.60	3,990	2.49	0	—	0	—
April	273,881	2.85	756	2.97	2,566	2.72	2,274	3.21	0	—
May	274,616	3.05	0	—	2,453	3.13	0	—	0	—
June	278,529	3.89	0	—	2,529	3.53	0	—	2,488	4.14
July	293,353	3.99	27	4.01	2,562	3.40	2,285	3.26	2,496	4.86
August	295,355	3.65	10	4.64	2,370	3.87	0	—	2,510	3.56
September	282,921	4.19	209	5.00	2,556	4.11	1,270	3.28	2,658	3.52
October	296,022	5.27	1,115	5.17	7,570	3.46	0	—	2,503	5.80
November	309,337	4.94	1,231	5.61	2,552	3.98	116	3.44	0	—
December	349,079	7.47	4,297	8.73	7,786	4.29	0	—	0	—
Total	**3,543,966**	**3.97**	**11,601**	**5.43**	**46,947**	**3.48**	**5,945**	**3.25**	**12,654**	**4.37**
2001										
January	352,418	9.64	2,416	7.98	5,020	4.05	0	—	2,478	10.79
February	305,922	6.49	1,139	5.45	7,658	5.52	0	—	5,068	6.25
March	334,485	5.42	1,482	4.89	7,606	5.87	0	—	2,535	9.05
April	295,990	5.40	2,102	5.11	5,009	3.88	0	—	4,822	5.42
May	301,555	5.02	157	4.44	7,572	3.58	0	—	5,067	5.43
June	297,431	3.92	0	—	3,943	2.71	0	—	7,547	4.92
July	341,093	3.12	0	—	7,754	3.14	1,187	3.79	2,888	5.09
August	335,626	3.11	0	—	5,058	2.73	1,207	3.92	2,606	2.99
September	294,620	2.58	0	—	5,087	2.76	0	—	4,955	3.30
October	R315,808	NA	RE5,380	NA	5,001	NA	0	—	0	—
November	E322,518	NA	E5,245	NA	0	—	0	—	0	—
2001 YTD	**E3,497,465**	**NA**	**E17,921**	**NA**	**59,708**	**NA**	**2,394**	**3.86**	**37,966**	**5.56**
2000 YTD	**3,194,887**	**3.59**	**7,304**	**3.49**	**39,160**	**3.32**	**5,945**	**3.25**	**12,654**	**4.37**
1999 YTD	**3,061,882**	**2.22**	**51,234**	**2.15**	**70,742**	**2.40**	**9,482**	**2.69**	**0**	—

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1995-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1995 Total	**0**	—	**0**	—	**0**	—	**0**	—	**2,841,048**	**1.49**
1996 Total	**0**	—	**0**	—	**4,949**	**3.46**	**0**	—	**2,937,413**	**1.97**
1997 Total	**0**	—	**0**	—	**2,417**	**3.74**	**0**	—	**2,994,173**	**2.17**
1998 Total	**0**	—	**0**	—	**5,252**	**2.63**	**0**	—	**3,152,058**	**1.97**
1999										
January	0	—	0	—	0	—	0	—	310,790	2.03
February	2,647	2.72	0	—	0	—	0	—	286,412	1.93
March	0	—	0	—	0	—	0	—	301,610	1.80
April	2,492	1.91	0	—	0	—	0	—	271,387	1.85
May	0	—	5,493	1.88	0	—	0	—	291,454	2.17
June	2,417	1.94	6,619	2.08	0	—	0	—	279,096	2.13
July	2,388	2.61	6,599	2.11	0	—	0	—	296,422	2.18
August	0	—	9,904	2.33	0	—	[a]2,576	2.36	312,081	2.39
September	4,987	2.74	4,393	2.55	0	—	0	—	302,414	2.63
October	0	—	5,865	2.57	0	—	0	—	304,637	2.50
November	2,374	3.45	6,648	2.85	2,713	3.03	0	—	305,152	2.85
December	2,392	3.59	5,256	2.83	0	—	0	—	324,050	2.34
Total	**19,697**	**2.71**	**50,777**	**2.39**	**2,713**	**3.03**	[a]**2,576**	**2.36**	**3,585,505**	**2.24**
2000										
January	0	—	7,780	3.01	0	—	0	—	325,897	2.44
February	0	—	5,168	2.91	0	—	0	—	300,107	2.60
March	2,428	2.79	8,393	2.89	0	—	0	—	306,596	2.61
April	7,254	2.71	7,285	3.05	0	—	0	—	294,016	2.86
May	0	—	10,723	3.05	0	—	0	—	287,793	3.05
June	2,385	2.76	7,390	3.48	2,725	3.53	0	—	296,046	3.87
July	4,793	3.97	14,307	3.30	0	—	[b]2,464	2.86	322,285	3.94
August	7,167	3.15	8,435	3.30	0	—	[b]2,461	2.86	318,308	3.62
September	7,625	3.97	4,864	2.98	0	—	[b]2,740	4.20	304,843	4.15
October	7,165	4.14	7,392	3.65	0	—	[c]2,760	3.99	324,527	5.16
November	7,241	3.32	6,950	3.85	0	—	[b]2,333	3.44	329,759	4.86
December	0	—	10,262	5.14	0	—	0	—	371,425	7.35
Total	**46,057**	**3.44**	**98,949**	**3.43**	**2,725**	**3.53**	**12,758**	**3.50**	**3,781,603**	**3.95**
2001										
January	0	—	9,215	6.81	0	—	0	—	371,546	9.49
February	0	—	6,635	4.78	0	—	[b]2,738	8.70	329,160	6.44
March	2,400	3.17	9,221	4.55	0	—	0	—	357,730	5.42
April	2,452	6.60	8,028	4.26	0	—	[b]1,702	4.65	320,105	5.35
May	4,975	4.47	9,530	4.15	0	—	0	—	328,855	4.96
June	3,076	5.82	10,407	3.77	0	—	[b]1,616	3.99	324,020	3.94
July	4,934	3.97	6,701	3.95	0	—	[b]1,635	4.65	366,192	3.17
August	0	—	7,519	3.60	0	—	[b]2,728	4.99	354,744	3.13
September	4,919	3.24	5,230	3.68	0	—	[b]1,635	4.65	316,447	2.63
October	0	—	[R]9,159	NA	0	—	[R]0	—	[RE]335,349	NA
November	0	—	5,169	NA	0	—	0	—	[E]332,932	NA
2001 YTD	**22,758**	**4.37**	**86,813**	NA	**0**	—	**12,055**	**5.56**	[E]**3,737,079**	NA
2000 YTD	**46,057**	**3.44**	**88,687**	**3.23**	**2,725**	**3.53**	**12,758**	**3.50**	**3,410,178**	**3.58**
1999 YTD	**17,305**	**2.59**	**45,521**	**2.34**	**2,713**	**3.03**	**2,576**	**2.36**	**3,261,455**	**2.23**

[a] Received from Malaysia.
[b] Received from Oman.
[c] Received from Indonesia.
[R] Revised Data.
[E] Estimated Data.
[RE] Revised Estimated Data.
NA Not Available.
— Not Applicable.

Sources: January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6. U.S. Natural Gas Exports, by Country, 1995-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1995 Total	**27,554**	**1.96**	**61,283**	**1.50**	**65,283**	**3.41**	**0**	—	**154,119**	**2.39**
1996 Total	**51,905**	**2.67**	**33,840**	**2.11**	**67,648**	**3.65**	**0**	—	**153,393**	**2.97**
1997 Total	**56,447**	**2.52**	**38,372**	**2.46**	**62,187**	**3.83**	**0**	—	**157,006**	**3.02**
1998 Total	**39,891**	**2.25**	**53,133**	**2.04**	**65,951**	**2.91**	**33**	**5.69**	**159,007**	**2.45**
1999										
January	2,264	1.92	4,526	1.81	5,586	2.95	24	7.41	12,400	2.36
February	2,564	1.93	4,777	1.72	5,564	2.94	29	7.39	12,934	2.30
March	4,494	1.80	5,950	1.62	5,570	2.88	21	7.33	16,035	2.11
April	2,246	1.80	5,049	1.87	5,687	2.77	19	7.13	13,001	2.26
May	2,212	2.26	6,108	2.27	5,644	2.78	24	7.42	13,988	2.48
June	1,953	2.14	5,278	2.29	3,754	2.77	18	7.28	11,003	2.44
July	1,987	2.19	5,612	2.31	5,675	2.88	20	7.14	13,294	2.54
August	2,018	2.41	5,398	2.70	5,643	3.11	20	7.36	13,079	2.84
September	1,959	2.80	5,267	2.89	5,605	3.23	21	7.26	12,852	3.03
October	2,339	2.63	4,086	2.68	3,723	3.28	13	7.07	10,161	2.89
November	8,018	2.95	5,001	2.89	5,579	3.56	30	5.85	18,628	3.12
December	6,454	2.39	3,973	2.28	5,577	3.81	36	5.82	16,040	2.86
Total	**38,508**	**2.35**	**61,025**	**2.27**	**63,607**	**3.08**	**275**	**6.95**	**163,415**	**2.61**
2000										
January	6,234	2.50	5,937	2.39	5,569	4.04	36	5.82	17,776	2.95
February	9,017	2.70	6,394	2.62	5,566	4.08	37	5.82	21,015	3.05
March	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,505	3.00
April	3,093	2.86	8,222	2.94	5,670	4.25	30	5.82	17,015	3.37
May	3,732	3.15	10,338	3.23	5,709	4.27	31	5.82	19,810	3.52
June	3,742	4.11	8,714	4.30	3,763	4.34	30	5.82	16,249	4.27
July	3,762	4.37	10,157	4.52	5,597	4.36	29	5.82	19,546	4.45
August	3,900	3.90	11,248	4.16	5,598	4.22	29	5.82	20,775	4.13
September	4,682	4.76	10,265	5.07	5,592	4.37	28	5.82	20,568	4.81
October	5,327	5.26	10,197	5.31	7,512	4.51	35	5.82	23,070	5.04
November	9,877	3.97	9,154	4.78	5,686	4.49	51	5.82	24,767	4.39
December	10,169	4.32	6,834	8.57	5,579	4.51	38	5.82	22,621	5.65
Total	**72,586**	**3.66**	**105,102**	**4.26**	**65,610**	**4.31**	**418**	**5.82**	**243,716**	**4.10**
2001										
January	11,818	7.07	8,111	10.34	5,571	4.68	47	5.82	25,547	7.58
February	15,796	5.44	8,009	7.06	3,714	4.73	42	5.82	27,561	5.82
March	19,691	4.48	7,110	6.22	5,569	4.70	42	5.82	32,412	4.90
April	12,213	5.59	5,326	7.10	5,594	4.25	34	5.82	23,167	5.61
May	13,328	4.95	9,940	6.88	5,677	4.22	35	5.82	28,981	5.47
June	9,543	3.96	11,183	5.27	3,780	4.28	23	5.82	24,529	4.61
July	10,348	3.39	14,939	3.53	5,665	4.27	32	5.82	30,984	3.62
August	7,577	3.20	15,531	3.31	5,684	4.29	33	5.82	28,824	3.48
September	10,012	2.47	17,610	2.45	5,676	4.39	35	5.82	33,332	2.79
October	R15,394	NA	E17,610	NA	7,576	NA	NA	NA	RE40,580	NA
November	E26,123	NA	E17,610	NA	5,644	NA	NA	NA	E49,377	NA
2001 YTD	**E151,841**	NA	**E132,979**	NA	**60,151**	NA	NA	NA	**E345,294**	NA
2000 YTD	**62,417**	**3.55**	**98,267**	**3.96**	**60,030**	**4.29**	**381**	**5.82**	**221,095**	**3.94**
1999 YTD	**32,054**	**2.34**	**57,052**	**2.27**	**58,030**	**3.01**	**239**	**7.11**	**147,375**	**2.59**

R Revised Data.
E Estimated Data.
RE Revised Estimated Data.
NA Not Available.
— Not Applicable.

Sources: January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001

(Million Cubic Feet)

Year and Month	Alabama[b]	Alaska	Arizona	California	Colorado	Florida	Kansas
1995 Total	**519,661**	**469,550**	**558**	**279,555**	**523,084**	**6,463**	**721,436**
1996 Total	**530,841**	**480,828**	**463**	**286,494**	**572,071**	**6,006**	**712,796**
1997 Total	**583,272**	**468,311**	**452**	**285,690**	**637,375**	**6,114**	**687,215**
1998 Total	**562,714**	**466,648**	**457**	**315,277**	**696,321**	**5,796**	**603,586**
1999							
January	47,502	43,013	31	31,961	60,326	511	52,200
February	43,520	38,930	27	27,952	61,878	503	43,801
March	44,693	42,128	35	30,224	59,130	604	47,290
April	41,776	38,249	37	28,811	57,597	548	45,904
May	47,201	35,039	39	31,170	61,117	537	46,147
June	46,758	35,938	44	30,778	58,183	442	46,452
July	46,842	35,896	60	33,356	59,848	499	46,254
August	45,814	35,853	51	34,047	60,311	480	45,902
September	44,408	36,627	43	33,273	58,270	501	44,294
October	45,262	39,617	43	34,685	61,557	427	45,342
November	45,176	39,158	35	33,373	60,291	408	44,094
December	46,511	42,517	28	33,085	64,230	473	45,740
Total	**545,464**	**462,967**	**474**	**382,715**	**722,738**	**5,933**	**553,419**
2000							
January	46,526	42,242	37	31,663	65,091	564	49,597
February	44,084	38,430	26	27,675	60,155	547	41,606
March	43,869	42,505	27	29,706	64,390	653	44,924
April	43,318	37,290	28	28,970	61,056	595	43,591
May	44,231	33,531	31	30,981	65,137	575	43,837
June	43,196	35,890	32	30,558	59,184	474	44,129
July	43,985	35,559	32	32,823	62,541	544	43,938
August	43,790	35,910	33	33,111	64,332	533	43,603
September	40,731	37,148	33	32,377	62,304	550	42,078
October	42,755	39,354	33	33,723	63,606	472	43,078
November	42,511	38,897	32	32,540	63,005	465	41,891
December	43,614	42,239	24	32,454	62,182	519	43,457
Total	**522,610**	**458,995**	**368**	**376,580**	**752,985**	**6,491**	**525,729**
2001							
January	30,460	42,459	31	32,450	[E]62,027	454	41,780
February	27,096	38,318	28	29,821	[E]59,310	397	36,909
March	29,918	42,727	31	32,074	[E]61,791	436	40,535
April	28,857	39,572	32	30,325	[E]59,791	499	39,420
May	29,736	35,882	28	32,404	[E]62,480	440	39,967
June	[R]28,989	34,653	25	31,753	[E]58,715	473	38,721
July	30,616	37,163	26	31,644	[E]61,195	553	40,646
August	[R]30,995	37,228	24	31,826	[E]62,205	531	[R]39,335
September	[E]28,310	36,172	22	30,562	[E]60,192	489	37,483
2001 YTD	**[E]264,978**	**344,173**	**247**	**282,860**	**[E]547,707**	**4,270**	**354,798**
2000 YTD	**393,730**	**338,506**	**279**	**277,862**	**564,191**	**5,036**	**397,303**
1999 YTD	**408,515**	**341,674**	**368**	**281,572**	**536,660**	**4,625**	**418,244**

See footnotes at end of table.

Table 7

Table 7. Marketed Production of Natural Gas, by State, 1995-2001

(Million Cubic Feet) — Continued

Year and Month	Louisiana[b]	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1995 Total	**5,108,366**	**238,203**	**95,533**	**50,264**	**1,625,837**	**49,468**	**1,811,734**
1996 Total	**5,289,742**	**245,740**	**103,263**	**50,996**	**1,554,087**	**49,674**	**1,734,887**
1997 Total	**5,229,821**	**305,950**	**107,300**	**52,437**	**1,558,633**	**52,401**	**1,703,888**
1998 Total	**5,277,188**	**278,076**	**108,068**	**57,645**	**1,501,098**	**53,185**	**1,669,367**
1999							
January	452,792	20,743	9,152	5,235	129,321	4,408	136,464
February	411,783	8,426	8,678	4,768	116,787	3,931	122,201
March	456,310	40,112	9,933	5,240	128,657	4,227	134,867
April	445,378	22,574	9,426	4,889	126,045	4,299	125,888
May	451,583	25,240	9,708	5,057	125,612	4,345	127,160
June	434,276	25,084	9,480	4,666	125,381	4,333	127,425
July	451,139	23,988	9,542	5,178	127,971	4,578	133,654
August	446,931	19,154	9,406	5,123	130,728	4,542	144,298
September	425,994	24,652	9,198	5,026	124,664	4,432	131,722
October	436,344	13,540	9,050	5,305	130,728	4,613	140,024
November	425,016	21,676	8,608	5,048	127,749	4,534	136,279
December	438,183	32,175	8,840	5,629	118,027	4,622	134,021
Total	**5,275,730**	**277,364**	**111,021**	**61,163**	**1,511,671**	**52,862**	**1,594,002**
2000							
January	421,366	22,586	8,241	6,003	145,404	4,585	140,183
February	392,889	15,849	5,386	5,480	137,819	4,116	125,741
March	429,630	33,893	7,350	6,016	147,050	4,291	140,811
April	415,525	12,551	6,785	5,614	137,212	4,278	132,697
May	428,197	26,709	7,527	5,809	143,431	4,543	136,652
June	413,358	17,328	6,938	5,369	136,470	4,322	136,693
July	431,309	30,404	7,347	5,888	141,810	4,505	138,946
August	434,049	33,002	7,571	5,833	139,961	4,320	139,930
September	421,580	24,743	7,227	5,723	139,149	4,329	132,330
October	435,279	38,453	7,958	6,039	141,187	4,490	145,745
November	417,355	25,882	7,693	5,741	136,170	4,178	119,411
December	428,327	15,156	8,535	6,422	141,754	4,469	123,749
Total	**5,068,863**	**296,556**	**88,558**	**69,936**	**1,687,416**	**52,426**	**1,612,890**
2001							
January	467,724	27,354	8,958	6,555	138,892	4,537	[E]141,360
February	428,810	13,735	7,749	5,906	126,673	4,019	[E]129,640
March	474,754	29,621	8,398	6,364	137,458	4,548	[E]143,530
April	459,439	20,195	9,892	6,215	132,246	4,564	[E]138,900
May	474,308	35,791	10,332	6,273	126,566	4,569	[E]143,395
June	[R]446,847	17,942	8,440	6,036	[E]120,771	4,349	[E]138,768
July	[R]462,219	20,115	9,313	6,452	[E]125,274	4,649	[E]143,395
August	455,170	26,818	[R]9,494	6,308	[E]126,287	4,753	[E]142,600
September	442,183	[E]29,385	[E]9,144	[E]6,276	[E]122,513	4,502	[E]137,328
2001 YTD	**4,111,454**	**[E]220,956**	**[E]81,720**	**[E]56,386**	**[E]1,156,680**	**40,491**	**[E]1,258,916**
2000 YTD	**3,787,903**	**217,066**	**64,372**	**51,735**	**1,268,306**	**39,289**	**1,223,984**
1999 YTD	**3,976,187**	**209,973**	**84,522**	**45,181**	**1,135,166**	**39,094**	**1,183,677**

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas[c]	Utah	Wyoming	Other[a] States	U.S. Total
1995 Total	**1,923**	**6,330,048**	**241,290**	**673,775**	**759,728**	**19,506,474**
1996 Total	**1,439**	**6,470,620**	**250,767**	**666,036**	**805,491**	**19,812,241**
1997 Total	**1,173**	**6,453,873**	**257,139**	**738,368**	**736,679**	**19,866,093**
1998 Total	**1,067**	**6,408,444**	**277,340**	**903,836**	**775,235**	**19,961,348**
1999						
January	83	536,883	23,467	82,165	73,022	1,709,279
February	84	487,494	21,141	74,676	64,209	1,540,789
March	120	528,309	23,878	82,039	67,861	1,705,658
April	111	513,779	22,076	77,986	64,148	1,629,521
May	113	526,667	22,771	75,615	65,032	1,660,154
June	111	508,884	21,828	77,487	63,027	1,620,577
July	110	522,686	21,707	79,610	64,718	1,667,637
August	74	516,905	21,493	79,528	63,445	1,664,085
September	90	502,383	19,725	81,086	64,276	1,610,663
October	124	522,711	21,610	87,684	70,415	1,669,079
November	134	516,467	21,364	82,890	68,512	1,640,813
December	138	528,445	21,554	90,463	71,915	1,686,596
Total	**1,291**	**6,211,613**	**262,614**	**971,230**	**800,579**	**19,804,848**
2000						
January	124	522,128	22,008	92,837	79,277	1,700,461
February	105	488,863	20,526	84,714	74,653	1,568,663
March	107	531,944	21,916	90,043	78,056	1,717,180
April	99	507,411	21,255	87,761	76,693	1,622,729
May	102	529,617	22,525	90,699	71,637	1,685,770
June	94	523,281	21,638	87,579	76,514	1,643,048
July	90	531,434	22,772	90,281	72,583	1,696,792
August	96	531,705	22,864	90,812	75,554	1,707,010
September	97	509,474	22,664	89,472	75,066	1,647,075
October	109	526,000	23,374	95,215	78,431	1,725,300
November	97	508,353	22,943	91,715	77,322	1,636,200
December	93	495,039	24,801	97,201	82,022	1,652,058
Total	**1,214**	**6,205,249**	**269,285**	**1,088,328**	**917,808**	**20,002,287**
2001						
January	[E]86	539,175	24,309	[E]110,385	[E]81,856	[E]1,760,852
February	[E]78	485,370	22,368	[E]100,161	[E]74,185	[E]1,590,574
March	[E]93	536,836	24,876	[E]113,534	[E]78,145	[E]1,765,669
April	[E]87	523,416	24,381	[E]108,780	[E]75,056	[E]1,701,669
May	[E]89	539,296	24,261	[E]114,319	[E]73,630	[E]1,753,765
June	[E]86	[R]521,986	23,502	[E]105,973	[E]74,129	[RE]1,662,160
July	[E]85	539,802	22,972	[E]109,964	[E]74,298	[RE]1,720,382
August	[E]76	534,645	22,826	[E]108,258	[E]74,290	[RE]1,713,669
September	[E]80	518,138	[E]21,782	[E]108,090	[E]74,379	[E]1,667,031
2001 YTD	**[E]761**	**4,738,664**	**[E]211,278**	**[E]979,464**	**[E]679,969**	**[E]15,335,771**
2000 YTD	**915**	**4,675,857**	**198,166**	**804,198**	**680,033**	**14,988,729**
1999 YTD	**895**	**4,643,991**	**198,086**	**710,194**	**589,737**	**14,808,361**

[a] Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 2001 and later data monthly values for these States are estimated.

[b] For Alabama and Louisiana, all data for 1995 through 2000 include Federal Offshore production. For 2001, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

[c] Federal offshore production volumes are included.

[R] Revised Data.

[E] Estimated Data.

[RE] Revised Estimated Data.

Notes: Data for 1995 through 2000 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1995-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000.* January 2001 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8

Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State, September 2001

(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed[a]	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	E30,631	E484	E31,115	E1,019	E1,710	E77	E28,310
Alaska	15,362	240,474	255,836	219,174	0	490	36,172
Arizona	22	0	22	0	0	0	22
California	7,188	26,335	33,523	2,645	213	103	30,562
Colorado	E52,277	E8,510	E60,787	E529	0	E66	E60,192
Florida	0	552	552	0	63	0	489
Kansas	34,070	3,515	37,585	64	0	38	37,483
Louisiana	389,118	58,496	447,614	3,511	0	E1,920	442,183
Michigan	E23,916	E5,979	E29,895	E211	0	E299	E29,385
Mississippi	E11,465	E414	E11,879	E516	E1,962	E257	E9,144
Montana	E5,559	E750	E6,308	E3	0	E29	E6,276
New Mexico	E116,902	E16,373	E133,275	E1,472	E9,088	E203	E122,513
North Dakota	1,128	3,632	4,760	0	8	249	4,502
Oklahoma	E124,148	E13,180	E137,328	E0	E0	E0	E137,328
Oregon	E93	0	E93	0	E13	0	E80
Texas	459,413	111,164	570,577	36,924	13,114	2,401	518,138
Utah	E20,582	E2,926	E23,508	E46	0	E1,680	E21,782
Wyoming	E116,934	E13,359	E130,293	E9,407	E11,820	E977	E108,090
Other States	E72,517	E2,546	E75,064	0	E530	E154	E74,379
Total	**E1,481,326**	**E508,688**	**E1,990,014**	**E275,519**	**E38,520**	**E8,944**	**E1,667,031**

[a] See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

E Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Source: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

Table 9. Underground Natural Gas Storage - All Operators, 1996-2002

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total[b]	Volume	Percent	Injections	Withdrawals	Net Withdrawals[c]
1996 Total[a]	**4,341**	**2,173**	**6,513**	**19**	**0.9**	**2,906**	**2,911**	**6**
1997 Total[a]	**4,350**	**2,175**	**6,525**	**2**	**0.1**	**2,800**	**2,824**	**24**
1998 Total[a]	**4,326**	**2,730**	**7,056**	**554**	**25.5**	**2,905**	**2,379**	**-526**
1999 Total[a]	**4,413**	**2,523**	**6,936**	**-207**	**-7.6**	**2,598**	**2,772**	**174**
2000								
January	4,379	1,760	6,139	-312	-15.1	59	841	782
February	4,378	1,304	5,681	-445	-25.3	83	533	450
March	4,364	1,153	5,517	-255	-18.0	139	291	152
April	4,362	1,203	5,565	-297	-19.6	192	146	-46
May	4,362	1,433	5,795	-404	-21.9	313	82	-231
June	4,361	1,717	6,079	-435	-20.1	349	65	-284
July	4,362	2,003	6,365	-379	-15.8	372	83	-289
August	4,361	2,199	6,560	-414	-15.8	305	109	-196
September	4,360	2,494	6,855	-432	-14.7	370	80	-291
October	4,360	2,732	7,092	-345	-11.1	329	88	-241
November	4,361	2,442	6,803	-628	-20.3	108	396	288
December	4,352	1,719	6,071	-806	-31.9	66	785	720
Total	—	—	—	—	—	**2,684**	**3,498**	**814**
2001								
January	4,344	1,265	5,609	-495	-28.1	93	559	467
February	4,328	912	5,241	-391	-30.0	71	409	338
March	4,300	742	5,042	-412	-35.7	113	293	181
April	4,261	992	5,253	-210	-17.5	345	68	-276
May	4,309	1,440	5,749	7	0.5	488	41	-448
June	4,310	1,882	6,193	165	9.6	470	48	-422
July	4,315	2,261	6,576	258	12.9	441	64	-376
August	4,313	2,576	6,889	377	17.1	384	79	-305
September	4,318	2,944	7,262	450	18.0	409	41	-368
October	4,310	3,144	7,454	412	15.1	281	92	-189
November	4,300	3,204	7,504	762	31.2	224	140	-83
December(STIFS)	[RE]4,300	[RE]2,851	[R]7,151	[RE]1,132	[RE]65.8	NA	NA	[RE]353
Total	—	—	—	—	—	NA	NA	[R]**-1,130**
2002								
January(STIFS)	[E]4,300	[E]2,256	[E]6,556	[E]990	[E]78.2	NA	NA	[E]595

[a] Total as of December 31.

[b] Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1996 - 7,980; 1997 - 8,332; 1998 - 8,179; 1999 - 8,229; and 2000 - 8,241.

[c] Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

[R] Revised Data.

[E] Estimated Data.

[RE] Revised Estimated Data.

NA Not Available.

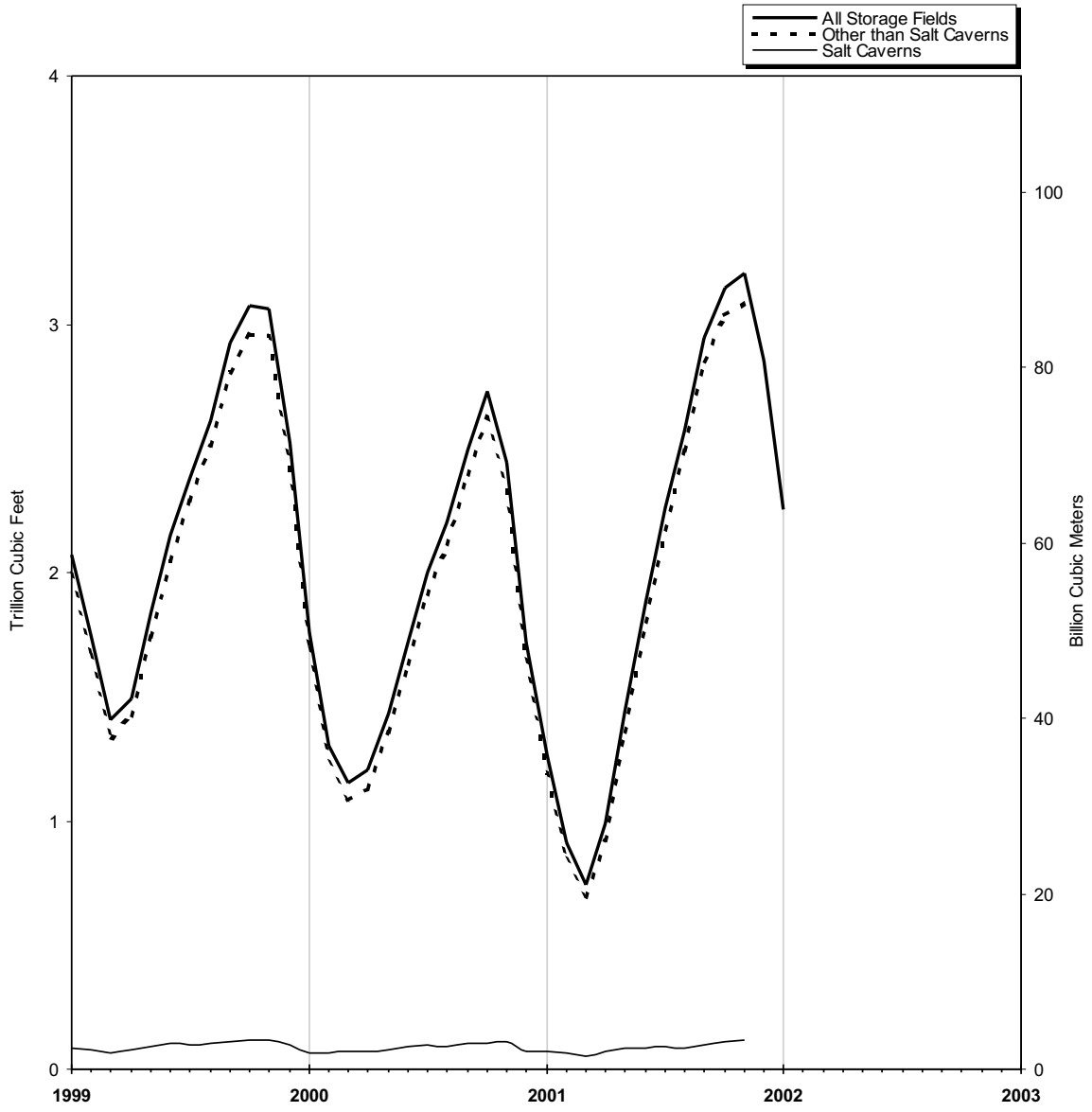
— Not Applicable.

Notes: Data for 1996 through 2000 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1999-2002



Sources: Tables 10, 11 and 12.

Table 10. Underground Natural Gas Storage - by Season, 2000-2002

(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals[a]
March 2000	4,364	1,153	5,517	-255	-18.0	139	291	152
2000 Refill Season								
April	4,362	1,203	5,565	-297	-19.6	192	146	-46
May	4,362	1,433	5,795	-404	-21.9	313	82	-231
June	4,361	1,717	6,079	-435	-20.1	349	65	-284
July	4,362	2,003	6,365	-379	-15.8	372	83	-289
August	4,361	2,199	6,560	-414	-15.8	305	109	-196
September	4,360	2,494	6,855	-432	-14.7	370	80	-291
October	4,360	2,732	7,092	-345	-11.1	329	88	-241
Total	—	—	—	—	—	**2,230**	**651**	**-1,579**
2000-2001 Heating Season								
November	4,361	2,442	6,803	-628	-20.3	108	396	288
December	4,352	1,719	6,071	-806	-31.9	66	785	720
January	4,344	1,265	5,609	-495	-28.1	93	559	467
February	4,328	912	5,241	-391	-30.0	71	409	338
March	4,300	742	5,042	-412	-35.7	113	293	181
Total	—	—	—	—	—	**450**	**2,443**	**1,993**
2001 Refill Season								
April	4,261	992	5,253	-210	-17.5	345	68	-276
May	4,309	1,440	5,749	7	0.5	488	41	-448
June	4,310	1,882	6,193	165	9.6	470	48	-422
July	4,315	2,261	6,576	258	12.9	441	64	-376
August	4,313	2,576	6,889	377	17.1	384	79	-305
September	4,318	2,944	7,262	450	18.0	409	41	-368
October	4,310	3,144	7,454	412	15.1	281	92	-189
Total	—	—	—	—	—	**2,819**	**435**	**-2,384**
2001-2002 Heating Season								
November	4,300	3,204	7,504	762	31.2	224	140	-83
December(STIFS)	[RE]4,300	[RE]2,851	[RE]7,151	[RE]1,132	[RE]65.8	NA	NA	[RE]353
January(STIFS)	[E]4,300	[E]2,256	[E]6,556	[E]990	[E]78.2	NA	NA	[E]595

[a] Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

[E] Estimated Data.

[RE] Revised Estimated Data.

NA Not Available.

— Not Applicable.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1995-2001

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1995 Total[a]	**60**	**72**	**131**	**2**	**2.9**	**194**	**200**	**5**
1996 Total[a]	**64**	**85**	**149**	**14**	**18.8**	**258**	**246**	**-13**
1997 Total[a]	**67**	**83**	**150**	**-4**	**-3.0**	**267**	**274**	**6**
1998 Total[a]	**67**	**104**	**171**	**21**	**26.0**	**297**	**275**	**-22**
1999								
January	67	82	149	13	18.2	19	39	19
February	67	77	144	8	12.0	16	21	5
March	67	68	135	4	6.6	18	26	8
April	67	78	145	-3	-3.2	28	19	-9
May	67	94	161	12	14.2	29	12	-17
June	65	102	167	19	22.5	22	16	-6
July	65	96	161	5	5.5	16	25	8
August	66	102	168	10	10.7	23	16	-8
September	67	112	179	28	34.0	24	13	-10
October	67	115	182	-1	-0.6	23	21	-2
November	67	116	184	-2	-1.7	21	17	-4
December	69	100	169	-4	-4.0	19	35	16
Total	**99**	**100**	**199**	**-4**	**-4.0**	**260**	**259**	**-1**
2000								
January	68	65	133	-15	-21.2	16	50	34
February	68	66	134	-12	-15.1	23	22	-1
March	69	69	138	0	1.5	24	20	-3
April	69	74	143	-4	-5.5	24	19	-5
May	70	77	147	-17	-18.1	27	24	-3
June	70	90	160	-12	-11.4	31	18	-13
July	71	97	168	1	1.7	30	21	-9
August	72	90	161	-13	-12.3	24	32	8
September	71	101	172	-12	-9.7	31	18	-12
October	71	107	178	-9	-6.6	29	20	-9
November	71	110	182	-9	-5.2	21	23	1
December	70	72	142	-28	-28.0	18	55	36
Total	—	—	—	—	—	**296**	**320**	**24**
2001								
January	71	73	144	9	13.5	33	31	-1
February	69	67	136	1	1.1	19	27	8
March	69	53	122	-16	-23.6	20	34	14
April	69	71	140	-3	-4.4	33	15	-18
May	71	85	156	8	10.4	30	14	-16
June	71	85	155	-5	-5.1	26	25	-1
July	71	89	160	-8	-8.4	29	25	-4
August	71	86	157	-2	-2.7	27	29	2
September	71	100	171	0	-0.3	33	19	-14
October	71	108	180	1	0.8	33	24	-8
November	72	118	190	8	7.0	33	20	-13

[a] Total as of December 31.

— Not Applicable.

Notes: Data for 1995 through 2000 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1995-2001

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1995 Total[a]	**4,290**	**2,082**	**6,371**	**-455**	**-17.9**	**2,372**	**2,774**	**403**
1996 Total[a]	**4,277**	**2,087**	**6,364**	**6**	**0.3**	**2,647**	**2,665**	**18**
1997 Total[a]	**4,283**	**2,092**	**6,375**	**4**	**0.2**	**2,533**	**2,551**	**18**
1998 Total[a]	**4,259**	**2,626**	**6,884**	**533**	**25.5**	**2,608**	**2,103**	**-504**
1999								
January	4,264	1,991	6,255	348	21.2	39	643	604
February	4,262	1,669	5,931	311	22.9	47	364	317
March	4,316	1,338	5,654	219	19.5	69	358	289
April	4,314	1,417	5,731	112	8.6	182	101	-81
May	4,305	1,740	6,045	49	2.9	352	32	-319
June	4,305	2,047	6,352	17	0.8	327	26	-301
July	4,305	2,284	6,588	-46	-2.3	282	56	-226
August	4,302	2,508	6,810	-98	-3.8	288	74	-214
September	4,302	2,811	7,114	-33	-1.2	334	29	-305
October	4,303	2,958	7,261	-117	-3.8	224	71	-153
November	4,313	2,949	7,261	-88	-2.9	151	187	36
December	4,314	2,423	6,738	-202	-7.7	44	571	527
Total	**4,314**	**2,423**	**6,738**	**-202**	**-7.7**	**2,338**	**2,512**	**175**
2000								
January	4,310	1,696	6,006	-280	-14.8	44	791	748
February	4,309	1,238	5,547	-418	-25.8	60	511	451
March	4,295	1,084	5,379	-242	-19.0	116	271	156
April	4,293	1,129	5,422	-277	-20.4	167	127	-41
May	4,292	1,356	5,648	-387	-22.1	286	58	-228
June	4,291	1,627	5,918	-423	-20.5	318	47	-271
July	4,291	1,906	6,196	-380	-16.6	343	62	-281
August	4,289	2,109	6,399	-401	-15.9	281	77	-204
September	4,289	2,393	6,683	-420	-14.9	340	61	-278
October	4,289	2,625	6,913	-336	-11.3	300	68	-233
November	4,290	2,332	6,621	-620	-20.9	86	373	287
December	4,282	1,647	5,929	-779	-32.0	47	731	684
Total	—	—	—	—	—	**2,388**	**3,178**	**790**
2001								
January	4,273	1,192	5,465	-504	-29.7	60	528	468
February	4,259	846	5,105	-392	-31.5	52	382	330
March	4,232	688	4,920	-396	-36.3	93	259	166
April	4,192	921	5,113	-208	-17.0	312	54	-259
May	4,239	1,355	5,594	-1	0.4	458	27	-432
June	4,239	1,798	6,037	171	11.2	445	23	-421
July	4,245	2,172	6,417	266	14.4	411	39	-372
August	4,242	2,490	6,732	380	18.5	357	50	-307
September	4,247	2,844	7,091	450	19.9	376	22	-354
October	4,238	3,036	7,274	411	15.7	248	68	-180
November	4,229	3,086	7,315	754	32.3	190	120	-70

[a] Total as of December 31.

— Not Applicable.

Notes: Data for 1995 through 2000 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet)

State	2001						
	November	October	September	August	July	June	May
Alabama	-297	120	-17	-113	-154	-576	44
Arkansas	-90	-339	-579	-505	-740	-879	-992
California	-13,104	-14,507	-9,385	-10,941	-20,929	-29,462	-27,438
Colorado	-63	753	-5,021	-4,513	-4,182	-4,069	-2,301
Illinois	1,074	-26,142	-33,582	-23,679	-20,442	-25,936	-30,943
Indiana	-2,298	-3,809	-4,044	-2,916	-3,671	-3,159	-1,372
Iowa	-3,118	-11,688	-13,710	-13,505	-10,141	-6,017	-5,532
Kansas	-4,369	-1,268	-17,406	-7,572	-6,556	-13,884	-14,428
Kentucky	12	-5,143	-8,975	-6,409	-9,956	-12,782	-11,456
Louisiana	-18,514	-10,552	-34,844	-13,578	-24,699	-30,405	-25,730
Maryland	-34	-1,310	-1,166	518	-2,572	-3,098	-2,653
Michigan	-9,535	-42,469	-72,648	-79,175	-87,034	-80,530	-71,545
Minnesota	-134	-174	-232	-259	-328	-319	-152
Mississippi	-2,504	1,082	-4,068	-1,986	-5,355	-6,274	-2,821
Missouri	-255	-248	-348	-589	13	-1,063	17
Montana	503	-1,573	-4,853	-4,966	-5,523	-4,034	-2,902
Nebraska	-45	-361	-1,250	-364	-339	-956	-1,908
New Mexico	-516	-173	-891	13	93	-403	-2,645
New York	-1,337	-3,374	-6,343	-5,574	-10,233	-11,212	-13,541
Ohio	2,950	-9,844	-26,370	-32,266	-37,878	-32,303	-33,094
Oklahoma	-2,791	-4,003	-17,906	-8,596	-10,224	-23,745	-28,938
Oregon	-766	0	-852	-1,860	-2,293	-2,561	-2,151
Pennsylvania	-9,593	-18,022	-39,267	-25,406	-50,422	-55,959	-66,462
Tennessee	0	-100	-62	-47	-63	-31	-113
Texas	-15,119	-21,203	-28,769	-24,185	-21,624	-34,795	-40,985
Utah	2,882	-280	-7,384	-5,939	-7,179	-6,356	-7,254
Virginia	-27	-32	-271	-322	-244	-402	-532
Washington	145	1,030	-1,450	-1,343	372	-200	-8,283
West Virginia	-5,364	-12,915	-22,496	-25,939	-31,290	-28,838	-39,499
Wyoming	-1,029	-2,113	-3,691	-3,143	-2,866	-1,800	-2,052
AGA Regions							
Producing	-43,904	-36,457	-104,462	-56,408	-69,106	-110,384	-116,537
Eastern Consuming	-27,868	-135,336	-230,550	-215,788	-264,426	-262,862	-278,588
Western Consuming	-11,567	-16,864	-32,867	-32,963	-42,930	-48,800	-52,532
Total	**-83,338**	**-188,656**	**-367,879**	**-305,159**	**-376,461**	**-422,046**	**-447,658**

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet) — Continued

State	2001				2000		
	April	March	February	January	Total	December	November
Alabama	-195	604	-241	330	430	85	203
Arkansas	-604	139	391	785	3,033	2,077	432
California	-17,361	-14,822	20,542	39,041	47,960	6,493	27,309
Colorado	660	1,787	4,374	4,138	8,613	4,969	4,003
Illinois	-12,251	14,412	43,450	42,940	24,165	49,235	25,535
Indiana	1,366	2,616	3,544	4,279	3,892	7,120	-608
Iowa	-2,900	3,712	8,167	16,496	13,560	23,122	11,086
Kansas	-11,364	4,933	16,056	-3,218	34,047	25,577	20,998
Kentucky	-4,039	6,901	2,626	6,783	30,198	23,027	11,187
Louisiana	-22,513	5,213	96	30,425	96,201	67,565	12,336
Maryland	-1,402	1,215	2,382	2,235	4,383	5,151	1,323
Michigan	-36,155	43,738	76,815	66,029	146,588	127,858	48,638
Minnesota	23	154	323	489	306	567	-92
Mississippi	-8,549	10,930	1,071	2,828	1,853	14,228	4,503
Missouri	-51	1,242	379	-255	567	1,078	-191
Montana	-1	1,629	4,504	4,208	13,911	5,173	3,722
Nebraska	-1,077	573	1,456	1,090	4,366	1,124	1,622
New Mexico	-1,573	-1,851	-1,657	25	-561	418	-295
New York	-6,630	8,160	11,920	13,182	9,824	17,276	5,062
Ohio	-15,734	22,906	27,160	41,777	48,330	61,149	24,034
Oklahoma	-23,624	415	12,522	24,484	88,353	42,630	16,307
Oregon	810	962	2,264	2,252	212	1,565	849
Pennsylvania	-43,608	47,171	51,475	69,205	47,204	96,037	21,869
Tennessee	-103	69	82	59	59	-12	-86
Texas	-43,016	2,704	8,957	41,565	127,251	67,839	12,680
Utah	-4,428	-2,807	4,031	12,277	6,537	10,861	9,016
Virginia	-434	283	92	517	471	789	354
Washington	-2,300	592	6,110	2,608	1,932	-1,986	3,781
West Virginia	-18,243	16,521	26,341	36,787	42,171	55,132	20,788
Wyoming	-1,073	534	2,586	3,225	8,063	3,611	1,933
AGA Regions							
Producing	-111,243	22,484	37,436	96,894	350,177	220,332	66,960
Eastern Consuming	-141,454	170,123	255,647	301,453	376,207	468,171	170,818
Western Consuming	-23,671	-11,971	44,735	68,237	87,535	31,251	50,522
Total	**-276,368**	**180,636**	**337,818**	**466,585**	**813,920**	**719,754**	**288,299**

See footnotes at end of table.

Table 13

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet) — Continued

State	2000						
	October	September	August	July	June	May	April
Alabama	142	110	0	-82	-606	-90	66
Arkansas	-397	-268	-680	-649	-444	-698	-287
California	-10,735	-1,623	19,420	199	-7,106	-11,320	-20,587
Colorado	-2,003	-2,248	-4,811	-4,606	-4,583	-359	1,385
Illinois	-33,495	-30,571	-27,776	-27,774	-32,238	-12,923	13,169
Indiana	-4,297	-3,323	-2,698	-2,195	-1,910	-248	1,377
Iowa	-13,898	-13,240	-12,021	-11,254	-6,094	-4,620	1,749
Kansas	-18,438	-16,047	-1,042	-9,926	-9,640	-6,168	2,341
Kentucky	-8,599	-10,707	-6,537	-10,798	-6,282	-4,150	3,556
Louisiana	-23,895	-20,965	-12,990	-23,235	-22,813	-4,848	10,011
Maryland	-288	-44	-2,241	-2,005	-2,994	-2,478	-652
Michigan	-37,897	-46,387	-53,184	-50,105	-45,757	-48,421	-8,924
Minnesota	-199	-266	-277	-343	-132	2	109
Mississippi	-4,386	-4,632	-3,418	-5,252	-5,228	-4,057	540
Missouri	-353	-711	209	16	19	-26	100
Montana	51	-958	-2,264	-2,041	-457	522	621
Nebraska	-503	-764	225	-620	1,077	-78	-92
New Mexico	-905	-50	1,040	800	-793	-468	-2,583
New York	-4,026	-7,909	-7,493	-10,091	-10,009	-8,664	-2,847
Ohio	-10,060	-23,823	-25,180	-33,397	-30,291	-29,262	-5,232
Oklahoma	-13,209	-12,480	660	-2,396	-12,742	-9,598	-6,249
Oregon	-720	-720	-2,074	-2,270	-2,101	-893	830
Pennsylvania	-26,640	-47,265	-32,778	-52,039	-42,636	-52,860	-7,150
Tennessee	-114	-49	0	0	0	0	18
Texas	-16,995	-12,544	12,106	1,215	-6,612	-1,260	-17,066
Utah	1,000	-5,592	-6,633	-6,747	-5,792	-5,613	-4,518
Virginia	-251	-202	-222	-222	-224	-291	-117
Washington	1,188	-2,835	909	-3,739	-3,660	-2,639	-893
West Virginia	-11,762	-24,203	-25,366	-29,171	-23,246	-18,097	-4,493
Wyoming	336	-360	-897	-553	-1,168	-1,590	116
AGA Regions							
Producing	-78,226	-66,987	-4,324	-39,442	-58,272	-27,098	-13,293
Eastern Consuming	-152,040	-209,087	-195,064	-229,737	-201,190	-182,207	-9,473
Western Consuming	-11,083	-14,602	3,374	-20,100	-24,998	-21,890	-22,936
Total	**-241,349**	**-290,675**	**-196,014**	**-289,278**	**-284,459**	**-231,195**	**-45,702**

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet) — Continued

State	2000			1999		
	March	February	January	Total	December	November
Alabama	-8	-307	916	-164	189	-134
Arkansas	997	1,228	1,722	233	1,276	423
California	-3,491	21,967	27,434	8,194	24,198	-4,553
Colorado	6,790	3,765	6,311	-1,502	5,058	-902
Illinois	8,699	34,034	58,269	-2,715	42,415	2,345
Indiana	2,071	1,482	7,120	-244	4,419	-2,227
Iowa	5,353	11,692	21,684	2,445	21,305	1,096
Kansas	11,536	9,582	25,275	15,568	22,458	873
Kentucky	6,943	10,529	22,031	2,725	10,737	2,295
Louisiana	20,254	39,709	55,072	9,530	39,997	6,656
Maryland	-83	3,312	5,382	-63	1,420	460
Michigan	37,934	69,355	153,478	32,938	105,683	6,548
Minnesota	282	280	376	-253	147	-128
Mississippi	-1,227	-595	11,378	14,502	9,530	-2,778
Missouri	-110	-550	1,086	-567	340	-174
Montana	2,166	3,194	4,181	7,884	2,618	1,154
Nebraska	43	1,313	1,019	473	557	-252
New Mexico	209	1,034	1,032	-2,289	814	-1,202
New York	6,361	13,703	18,460	7,825	12,574	1,488
Ohio	24,381	36,791	59,220	16,019	44,624	8,737
Oklahoma	2,136	36,885	46,411	-6,703	19,463	-2,807
Oregon	1,872	1,660	2,214	-589	1,350	-593
Pennsylvania	11,111	67,677	111,880	23,197	69,287	4,253
Tennessee	63	63	175	-34	164	56
Texas	-12,440	39,612	60,715	5,985	38,524	-652
Utah	2,979	7,541	10,034	9,193	12,584	957
Virginia	32	107	719	92	455	181
Washington	1,485	2,566	7,755	-1,213	1,577	-152
West Virginia	14,445	30,364	57,780	34,622	46,561	10,665
Wyoming	1,328	2,373	2,935	-1,063	2,359	539
AGA Regions						
Producing	21,465	127,455	201,606	36,826	132,062	515
Eastern Consuming	117,235	279,564	519,219	116,549	360,730	35,337
Western Consuming	13,411	43,345	61,240	20,650	49,889	-3,678
Total	**152,111**	**450,364**	**782,064**	**174,025**	**542,681**	**32,174**

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 2000 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14

Table 14. Activities of Underground Natural Gas Storage Operators, by State, November 2001

(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	3,280	1,190	1,846	3,036	411	28.7	304	7
Arkansas	22,000	8,715	7,248	15,963	857	13.4	421	331
California	388,480	249,225	228,261	477,485	103,253	82.6	24,084	10,980
Colorado	100,227	47,655	37,502	85,157	4,162	12.5	3,526	3,462
Illinois	898,565	668,482	243,730	912,212	28,791	13.4	17,427	18,501
Indiana	113,210	75,311	35,156	110,466	601	1.7	2,804	505
Iowa	273,200	197,715	70,501	268,216	14,779	26.5	7,580	4,462
Kansas	301,502	178,537	97,885	276,422	28,178	40.4	10,902	6,532
Kentucky	219,914	109,239	105,416	214,656	20,723	24.5	2,656	2,668
Louisiana	569,187	250,349	260,790	511,139	84,919	48.3	28,929	10,415
Maryland	62,000	46,677	14,071	60,748	640	4.8	614	580
Michigan	1,070,717	459,219	562,077	1,021,296	104,445	22.8	22,729	13,194
Minnesota	7,000	4,840	2,157	6,997	-213	-9.0	134	0
Mississippi	134,012	77,715	56,783	134,498	7,885	16.1	3,850	1,345
Missouri	31,878	21,600	10,326	31,926	47	0.5	269	14
Montana	371,510	167,338	37,519	204,857	7,859	26.5	2,047	2,550
Nebraska	39,469	26,995	6,994	33,989	3,918	127.4	677	632
New Mexico	96,600	29,766	9,823	39,589	737	8.1	1,471	955
New York	175,496	96,476	78,107	174,584	8,117	11.6	3,322	1,985
Ohio	573,784	344,375	191,380	535,755	38,084	24.8	5,414	8,364
Oklahoma	378,137	200,968	156,251	357,219	62,499	66.7	9,059	6,268
Oregon	17,755	9,352	11,728	21,080	3,325	39.6	775	8
Pennsylvania	713,818	354,502	381,576	736,078	42,874	12.7	23,895	14,302
Tennessee	1,200	340	840	1,180	306	57.4	0	0
Texas	699,324	250,942	311,714	562,656	111,670	55.8	36,829	21,709
Utah	129,480	64,601	44,722	109,324	11,463	34.5	1,801	4,683
Virginia	4,967	2,362	2,711	5,073	469	20.9	242	214
Washington	37,300	19,000	17,067	36,067	4,615	37.1	1,847	1,993
West Virginia	733,126	276,178	194,151	470,329	58,586	43.2	8,681	3,317
Wyoming	105,869	60,782	25,682	86,464	7,815	43.7	1,417	387
AGA Regions								
Producing	2,200,762	996,992	900,493	1,897,485	296,745	49.2	91,460	47,556
Eastern Consuming	4,914,624	2,680,662	1,898,882	4,579,544	322,794	20.5	96,614	68,746
Western Consuming	1,157,620	622,793	404,638	1,027,431	142,280	54.2	35,631	24,064
Total	**8,273,006**	**4,300,447**	**3,204,013**	**7,504,460**	**761,818**	**31.2**	**223,704**	**140,366**

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001

(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				October	September	August
Alabama	40,217	34,509	33,824	1,711	1,130	1,151
Alaska	11,820	12,218	13,041	1,661	818	538
Arizona	29,457	26,249	26,617	1,153	1,025	985
Arkansas	31,061	26,549	29,991	1,615	812	849
California	405,776	396,154	468,329	28,974	21,170	22,303
Colorado	98,131	84,815	88,813	4,079	2,816	2,462
Connecticut	NA	30,986	30,491	2,120	NA	1,007
Delaware	7,918	7,449	7,171	341	187	164
District of Columbia	11,994	11,811	11,403	471	331	313
Florida	13,436	12,199	11,205	764	700	702
Georgia	NA	90,778	69,532	8,108	3,928	3,608
Hawaii	447	449	446	40	43	41
Idaho	14,659	13,711	13,868	712	423	341
Illinois	329,324	311,587	333,164	26,298	12,207	8,969
Indiana	NA	111,883	117,223	7,965	NA	NA
Iowa	NA	50,159	55,196	3,523	1,585	1,316
Kansas	58,293	50,645	55,109	2,057	1,573	1,539
Kentucky	42,152	41,200	43,017	3,162	1,327	1,098
Louisiana	NA	35,996	36,229	NA	NA	NA
Maine	740	765	714	54	32	25
Maryland	NA	60,316	57,915	5,110	NA	1,819
Massachusetts	93,574	88,206	79,144	4,565	2,858	2,366
Michigan	281,481	269,594	273,456	19,055	8,651	6,298
Minnesota	97,503	87,910	89,675	7,548	3,204	2,630
Mississippi	NA	19,623	19,563	914	NA	651
Missouri	95,420	82,726	90,625	3,838	2,524	2,166
Montana	15,318	14,191	14,853	1,158	502	404
Nebraska	36,394	31,205	32,717	1,742	870	905
Nevada	24,528	21,764	22,378	1,251	1,033	995
New Hampshire	5,689	5,675	5,281	302	185	149
New Jersey	168,638	162,525	168,349	9,200	5,254	4,821
New Mexico	22,948	24,808	25,202	1,561	1,003	839
New York	317,577	308,221	296,082	14,566	9,861	9,371
North Carolina	46,285	45,406	41,999	2,498	1,078	942
North Dakota	7,953	7,938	8,324	779	266	282
Ohio	252,525	242,169	243,982	16,164	6,867	6,140
Oklahoma	51,421	46,966	50,756	1,897	1,275	1,283
Oregon	29,751	29,118	30,065	1,443	918	905
Pennsylvania	NA	192,157	187,550	11,241	5,392	4,960
Rhode Island	NA	14,905	13,639	NA	506	450
South Carolina	22,385	21,022	19,776	887	512	470
South Dakota	NA	8,612	9,220	668	278	276
Tennessee	54,053	47,743	47,238	2,221	1,264	1,146
Texas	NA	138,827	141,978	NA	5,410	7,974
Utah	39,587	37,596	40,538	3,489	1,610	1,448
Vermont	2,246	2,256	2,059	91	67	54
Virginia	NA	55,822	52,629	NA	1,493	1,580
Washington	NA	54,095	55,363	NA	1,864	1,731
West Virginia	NA	24,093	24,668	1,622	775	462
Wisconsin	NA	91,689	94,431	8,093	3,736	2,418
Wyoming	8,505	8,799	9,635	722	274	249
Total	**3,834,852**	**3,596,087**	**3,694,471**	**236,081**	**128,658**	**117,959**

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001					
	July	June	May	April	March	February
Alabama	1,149	1,297	1,893	4,605	5,643	8,644
Alaska	519	609	980	1,182	1,813	1,824
Arizona	1,055	1,267	1,896	2,824	5,439	7,072
Arkansas	1,023	857	1,954	2,373	5,362	6,443
California	23,989	22,861	30,433	41,474	58,633	71,182
Colorado	3,044	4,464	8,234	12,557	17,892	20,481
Connecticut	803	NA	1,309	3,644	6,135	6,215
Delaware	219	275	461	1,048	1,564	1,715
District of Columbia	351	442	595	1,390	2,178	2,544
Florida	728	781	955	1,310	1,510	2,635
Georgia	3,674	3,819	4,742	NA	17,069	16,513
Hawaii	44	47	46	47	49	43
Idaho	412	584	1,063	1,794	2,379	3,455
Illinois	9,918	11,443	14,452	26,454	61,269	72,405
Indiana	NA	NA	NA	NA	NA	NA
Iowa	NA	1,929	2,639	5,559	11,095	13,101
Kansas	1,536	1,743	2,437	5,758	11,650	12,213
Kentucky	1,031	954	1,307	2,488	9,204	8,955
Louisiana	NA	1,719	2,183	3,698	5,473	8,840
Maine	25	22	49	61	143	154
Maryland	1,809	2,207	3,035	6,713	11,619	12,948
Massachusetts	2,765	3,514	5,835	13,605	18,455	18,490
Michigan	7,084	10,690	16,531	33,454	55,739	55,540
Minnesota	2,730	3,485	4,833	9,565	17,617	22,678
Mississippi	735	773	1,142	1,958	NA	4,981
Missouri	2,366	3,043	3,840	9,594	17,971	21,190
Montana	416	696	1,047	1,906	2,583	3,330
Nebraska	950	1,180	2,564	4,596	6,229	7,494
Nevada	1,041	1,174	1,640	2,470	3,974	5,415
New Hampshire	154	214	386	784	1,061	1,132
New Jersey	4,780	6,006	9,242	20,570	32,905	33,583
New Mexico	1,008	966	1,190	1,948	2,762	5,561
New York	9,969	14,262	22,366	42,975	59,507	64,028
North Carolina	1,082	1,544	2,045	5,034	7,881	9,527
North Dakota	215	246	366	818	1,267	1,934
Ohio	7,420	8,794	12,305	27,986	48,453	51,889
Oklahoma	1,524	1,767	2,512	5,434	9,987	12,033
Oregon	1,095	1,508	2,653	3,916	5,048	5,941
Pennsylvania	5,108	6,222	NA	23,385	38,814	39,973
Rhode Island	476	644	1,030	2,133	2,881	2,966
South Carolina	492	567	992	2,620	3,238	4,689
South Dakota	NA	369	547	1,039	1,770	2,172
Tennessee	1,161	1,288	1,970	5,352	9,693	10,443
Texas	5,729	6,979	8,492	15,626	25,405	38,785
Utah	1,411	1,782	1,888	4,120	5,561	8,187
Vermont	65	96	146	316	420	446
Virginia	1,520	1,805	2,377	5,712	10,828	12,695
Washington	2,113	3,021	4,899	7,278	8,883	10,980
West Virginia	398	456	NA	3,502	NA	5,442
Wisconsin	2,930	3,410	NA	8,545	21,640	22,782
Wyoming	240	440	610	1,158	1,101	1,846
Total	**124,729**	**148,903**	**214,361**	**409,023**	**686,477**	**787,031**

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	12,994	45,794	8,385	2,900	1,700	1,160
Alaska	1,876	15,979	2,013	1,748	1,454	927
Arizona	6,739	34,740	5,704	2,787	1,070	971
Arkansas	9,773	42,361	10,480	5,332	1,487	1,154
California	84,757	516,730	68,470	52,106	31,757	24,496
Colorado	22,102	116,363	20,693	10,855	5,520	2,706
Connecticut	8,425	41,534	6,755	3,793	2,262	979
Delaware	1,943	9,467	1,404	615	270	172
District of Columbia	3,379	15,437	2,557	1,069	553	376
Florida	3,351	15,133	1,940	994	829	700
Georgia	28,880	140,838	34,149	15,912	6,682	4,164
Hawaii	48	535	44	42	41	41
Idaho	3,497	19,131	3,272	2,147	859	484
Illinois	85,909	467,052	99,546	55,919	21,839	12,373
Indiana	NA	160,027	32,663	15,481	6,732	3,955
Iowa	14,777	73,825	15,570	8,096	3,114	1,710
Kansas	17,787	70,589	14,343	5,601	2,523	1,578
Kentucky	12,626	64,662	15,301	8,161	2,793	1,446
Louisiana	13,197	49,744	9,497	4,251	2,204	1,714
Maine	175	1,037	176	96	63	32
Maryland	17,836	84,082	15,652	8,114	3,809	2,058
Massachusetts	21,123	114,077	16,794	9,077	4,856	2,942
Michigan	68,440	365,661	64,432	31,636	17,518	9,240
Minnesota	23,212	129,487	26,737	14,839	6,141	3,252
Mississippi	7,902	26,656	5,308	1,725	1,063	707
Missouri	28,888	115,353	23,334	9,293	4,019	2,505
Montana	3,276	20,072	3,475	2,406	1,305	609
Nebraska	9,864	41,715	6,890	3,620	1,877	1,048
Nevada	5,536	29,942	4,950	3,228	1,399	1,085
New Hampshire	1,324	7,274	1,033	566	302	182
New Jersey	42,276	219,878	37,333	20,021	10,449	5,939
New Mexico	6,109	35,921	6,450	4,663	2,505	1,217
New York	70,672	404,203	61,679	34,303	18,879	11,268
North Carolina	14,653	63,897	12,523	5,969	2,450	1,052
North Dakota	1,781	10,963	1,904	1,120	585	251
Ohio	66,508	343,302	68,382	32,751	15,897	7,667
Oklahoma	13,710	66,581	14,022	5,593	2,339	1,489
Oregon	6,324	38,698	6,028	3,552	1,572	977
Pennsylvania	51,432	262,770	46,947	23,666	12,517	6,985
Rhode Island	3,471	18,655	2,487	1,262	722	506
South Carolina	7,919	29,057	6,012	2,023	1,007	533
South Dakota	2,165	12,608	2,621	1,375	601	277
Tennessee	19,516	67,950	15,034	5,172	2,367	1,216
Texas	52,979	193,149	38,534	15,788	8,306	5,793
Utah	10,092	55,626	9,652	8,379	3,824	2,415
Vermont	544	2,843	376	210	124	72
Virginia	17,278	79,701	15,690	8,190	3,287	1,712
Washington	11,085	71,779	10,887	6,796	3,234	2,023
West Virginia	6,923	31,602	5,331	2,177	1,372	599
Wisconsin	23,699	135,023	27,792	15,542	6,848	3,593
Wyoming	1,865	12,177	2,076	1,302	743	386
Total	**981,630**	**4,991,678**	**913,328**	**482,262**	**235,670**	**140,734**

See footnotes at end of table.

Table 15

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	1,134	1,204	1,335	2,240	3,350	4,638
Alaska	618	474	645	864	1,233	1,764
Arizona	903	996	1,178	1,510	2,663	4,192
Arkansas	916	791	916	1,558	2,439	4,139
California	22,116	24,448	27,625	31,735	39,046	62,855
Colorado	2,553	3,005	4,081	6,487	11,175	14,321
Connecticut	617	953	1,260	2,226	3,190	4,978
Delaware	188	246	294	655	985	1,178
District of Columbia	356	379	485	741	1,272	1,747
Florida	701	734	831	967	1,133	1,622
Georgia	3,833	3,775	3,835	4,818	8,441	11,126
Hawaii	39	44	45	47	46	48
Idaho	349	438	633	909	1,695	2,298
Illinois	10,589	9,549	12,052	15,613	35,412	45,617
Indiana	2,904	2,924	3,666	6,233	12,740	16,107
Iowa	1,410	1,551	1,611	2,654	5,390	7,677
Kansas	1,307	1,596	1,798	2,946	5,743	8,179
Kentucky	1,233	1,071	1,129	1,415	4,108	6,183
Louisiana	1,623	1,724	1,815	2,062	3,702	4,490
Maine	26	27	31	49	89	123
Maryland	1,951	1,942	2,267	3,375	6,556	8,846
Massachusetts	2,588	2,883	4,065	7,051	10,203	13,785
Michigan	7,508	7,779	9,722	18,495	32,882	42,659
Minnesota	2,756	2,859	3,350	4,912	9,645	12,733
Mississippi	693	753	820	1,178	1,859	2,549
Missouri	2,478	2,427	2,048	4,864	9,272	12,965
Montana	391	481	605	970	1,555	2,285
Nebraska	774	899	981	1,434	4,495	5,720
Nevada	932	1,009	1,184	1,568	2,027	3,711
New Hampshire	143	178	275	432	632	973
New Jersey	5,115	4,998	6,216	11,043	17,746	25,021
New Mexico	984	970	1,577	1,149	3,415	3,424
New York	10,453	11,006	14,521	22,762	37,638	48,568
North Carolina	1,010	1,007	1,483	2,225	4,451	7,549
North Dakota	223	210	329	496	916	1,305
Ohio	6,817	7,315	7,817	13,670	28,312	38,110
Oklahoma	1,428	1,581	1,817	2,774	5,186	7,445
Oregon	801	997	1,530	2,321	3,475	5,048
Pennsylvania	5,649	5,826	7,889	10,831	22,058	29,613
Rhode Island	451	482	715	1,279	1,812	2,581
South Carolina	466	495	577	1,141	1,919	2,880
South Dakota	243	248	333	573	1,057	1,360
Tennessee	1,104	1,190	1,310	2,513	4,791	6,701
Texas	5,675	6,207	7,103	8,485	14,566	17,552
Utah	1,444	1,492	1,494	1,809	2,967	6,792
Vermont	62	70	110	179	268	396
Virginia	1,487	1,573	1,804	2,870	5,521	8,387
Washington	1,614	1,997	3,119	4,583	6,568	9,196
West Virginia	535	520	747	1,898	2,491	3,818
Wisconsin	2,907	2,702	2,661	5,024	11,195	13,099
Wyoming	291	303	396	670	1,223	1,437
Total	**122,387**	**128,330**	**154,133**	**228,304**	**400,556**	**549,790**

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001

(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				October	September	August
Alabama	22,237	19,659	21,979	1,625	1,177	1,101
Alaska	13,646	20,719	21,247	1,687	998	856
Arizona	25,566	26,085	25,476	1,882	1,834	1,767
Arkansas	NA	22,956	22,855	4,472	4,038	3,787
California	202,790	197,386	203,940	18,243	16,253	17,221
Colorado	54,493	45,055	48,069	2,598	2,033	1,799
Connecticut	NA	37,540	38,262	2,263	NA	1,949
Delaware	5,213	4,001	5,072	317	203	175
District of Columbia	13,918	14,318	15,015	801	781	628
Florida	41,541	39,176	30,388	3,748	3,666	3,475
Georgia	NA	41,783	33,509	3,607	2,245	2,138
Hawaii	1,477	1,475	1,457	138	145	140
Idaho	11,141	9,882	9,888	657	485	502
Illinois	152,239	142,698	146,362	12,107	7,862	7,502
Indiana	NA	64,012	57,727	5,007	NA	NA
Iowa	NA	31,759	35,208	2,881	1,613	995
Kansas	32,384	29,172	32,005	1,571	1,369	1,451
Kentucky	28,034	26,491	27,466	1,783	1,073	1,124
Louisiana	NA	19,912	20,140	NA	NA	NA
Maine	1,492	2,081	1,971	140	84	69
Maryland	NA	42,810	46,655	3,538	NA	2,184
Massachusetts	50,858	50,233	54,255	3,222	2,785	2,321
Michigan	142,951	141,434	141,594	9,549	6,002	5,163
Minnesota	74,056	67,294	67,415	6,089	2,999	2,955
Mississippi	NA	16,244	16,044	1,211	NA	1,124
Missouri	53,363	47,159	51,525	2,767	2,147	1,991
Montana	10,392	9,931	9,407	725	387	363
Nebraska	22,051	21,138	22,753	1,020	963	909
Nevada	18,110	20,384	18,187	1,407	1,100	1,255
New Hampshire	6,326	6,415	5,699	262	233	219
New Jersey	150,252	123,331	133,761	8,938	5,721	5,292
New Mexico	20,046	20,806	21,010	1,390	1,044	967
New York	286,674	336,161	291,142	20,321	25,847	24,807
North Carolina	31,530	32,316	30,738	2,299	1,660	1,478
North Dakota	7,904	7,690	7,930	788	325	316
Ohio	140,709	130,107	130,547	9,910	5,598	4,650
Oklahoma	43,942	32,169	32,713	2,704	2,890	1,954
Oregon	35,643	22,056	22,908	4,063	3,562	3,492
Pennsylvania	NA	108,806	110,735	8,349	4,770	4,235
Rhode Island	10,613	10,226	9,470	601	491	464
South Carolina	17,949	17,173	16,486	1,300	1,117	1,063
South Dakota	NA	7,133	7,600	600	282	295
Tennessee	42,246	40,342	42,730	2,297	2,025	1,738
Texas	NA	146,035	137,412	NA	12,132	19,305
Utah	23,015	21,757	22,623	1,850	982	932
Vermont	2,043	2,057	1,862	108	92	72
Virginia	NA	49,524	48,614	NA	2,944	2,757
Washington	NA	38,636	40,087	NA	8,576	8,523
West Virginia	21,512	20,422	21,534	2,563	1,288	1,138
Wisconsin	NA	56,543	62,236	5,292	2,592	2,007
Wyoming	8,960	7,306	7,812	584	299	203
Total	**2,660,450**	**2,449,798**	**2,431,517**	**203,660**	**156,632**	**155,058**

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001					
	July	June	May	April	March	February
Alabama	1,079	1,194	1,504	2,319	2,949	3,903
Alaska	814	873	1,279	1,410	1,894	1,839
Arizona	1,781	1,972	2,317	2,810	3,466	3,759
Arkansas	NA	NA	NA	NA	NA	NA
California	15,534	15,716	16,985	26,490	22,690	25,858
Colorado	2,251	2,917	4,718	6,845	9,385	10,179
Connecticut	1,632	NA	2,386	4,268	5,652	5,993
Delaware	197	242	312	663	1,007	952
District of Columbia	903	851	1,119	1,937	2,198	2,271
Florida	3,462	3,641	3,973	4,240	4,551	5,257
Georgia	2,118	2,174	2,443	NA	6,576	6,486
Hawaii	148	151	145	150	154	151
Idaho	572	660	922	1,193	1,594	2,238
Illinois	7,009	7,067	7,787	12,159	26,168	30,068
Indiana	NA	NA	NA	NA	NA	NA
Iowa	NA	1,425	1,811	3,538	6,633	7,762
Kansas	1,576	1,282	1,491	3,107	5,747	6,595
Kentucky	1,023	937	1,402	2,360	4,906	5,480
Louisiana	NA	1,742	1,861	2,238	NA	3,437
Maine	68	64	107	194	358	408
Maryland	2,317	2,415	2,905	4,619	6,629	7,092
Massachusetts	2,157	2,668	3,908	6,724	8,588	8,839
Michigan	5,218	6,157	8,669	16,610	25,979	27,509
Minnesota	2,773	3,170	4,156	7,444	13,019	15,176
Mississippi	1,060	1,019	1,175	1,579	2,486	3,000
Missouri	2,064	2,206	2,705	5,395	9,201	10,942
Montana	383	492	767	1,254	965	2,796
Nebraska	1,040	1,132	1,508	2,814	4,218	4,666
Nevada	1,254	1,347	1,553	1,970	2,549	2,817
New Hampshire	128	190	510	990	1,201	1,405
New Jersey	6,270	5,512	9,582	17,571	25,057	30,057
New Mexico	1,020	1,087	1,420	2,600	2,510	3,989
New York	22,619	30,702	29,525	25,816	33,461	36,187
North Carolina	1,606	1,594	2,047	3,190	4,630	5,346
North Dakota	336	280	400	810	1,078	1,791
Ohio	5,159	5,389	7,509	14,670	24,756	29,422
Oklahoma	2,358	2,353	2,594	4,048	7,353	8,443
Oregon	4,058	3,956	2,032	2,755	3,470	3,967
Pennsylvania	4,128	5,025	6,623	12,504	NA	NA
Rhode Island	460	511	743	1,382	1,882	1,930
South Carolina	1,881	1,109	1,317	1,834	2,195	2,542
South Dakota	NA	303	410	802	1,404	1,676
Tennessee	2,022	1,907	2,173	4,400	6,121	7,729
Texas	16,616	16,834	27,570	22,989	29,807	35,900
Utah	934	973	1,385	2,538	3,315	4,551
Vermont	74	108	136	276	356	374
Virginia	2,512	2,553	3,035	NA	7,199	7,950
Washington	9,290	9,848	3,863	4,948	5,683	6,745
West Virginia	832	1,297	1,241	2,637	2,969	3,379
Wisconsin	2,314	2,559	NA	5,576	12,678	12,640
Wyoming	247	344	469	1,195	1,891	2,120
Total	**148,680**	**163,862**	**191,574**	**272,077**	**394,611**	**449,784**

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	5,385	25,344	3,814	1,867	1,398	1,109
Alaska	1,995	26,424	3,068	2,636	2,618	1,569
Arizona	3,981	32,211	3,650	2,403	2,020	1,914
Arkansas	NA	33,181	6,255	3,970	1,525	1,097
California	27,800	250,947	24,997	24,057	17,276	17,990
Colorado	11,768	60,909	9,864	5,955	3,529	1,823
Connecticut	6,697	48,579	6,598	4,338	3,116	2,212
Delaware	1,145	5,127	704	421	234	58
District of Columbia	2,429	17,744	2,174	1,236	955	889
Florida	5,528	47,973	4,774	3,954	3,523	3,348
Georgia	10,029	59,334	11,102	5,923	3,064	2,293
Hawaii	154	1,771	145	152	146	145
Idaho	2,318	13,451	2,117	1,415	690	507
Illinois	34,511	201,835	37,604	21,467	10,550	7,544
Indiana	NA	90,427	17,488	8,877	4,729	3,340
Iowa	8,891	45,597	9,008	4,830	2,241	1,462
Kansas	8,195	39,650	7,127	3,348	1,733	1,516
Kentucky	7,947	38,670	8,089	4,089	1,804	1,247
Louisiana	4,456	25,673	3,596	2,152	1,561	1,346
Maine	0	2,770	439	249	154	81
Maryland	9,556	55,748	8,042	4,816	2,747	2,392
Massachusetts	9,648	63,798	8,390	5,170	3,243	3,414
Michigan	32,095	186,084	29,408	15,210	9,262	6,629
Minnesota	16,275	94,536	16,756	10,478	5,030	3,217
Mississippi	4,257	21,379	3,336	1,799	1,349	1,128
Missouri	13,945	62,856	10,701	4,989	3,110	1,821
Montana	2,261	13,538	2,131	1,471	835	459
Nebraska	3,782	28,462	5,212	2,112	1,228	998
Nevada	2,858	25,637	2,771	2,431	1,775	1,542
New Hampshire	1,187	8,323	977	931	417	295
New Jersey	36,251	158,544	22,681	12,531	6,986	4,203
New Mexico	4,021	27,609	3,945	2,589	1,548	1,567
New York	37,390	410,454	40,591	32,761	29,652	30,697
North Carolina	7,680	43,105	6,823	3,963	2,192	1,694
North Dakota	1,780	10,795	1,961	1,136	564	326
Ohio	33,647	178,024	31,211	16,280	8,257	5,104
Oklahoma	9,246	43,347	7,351	3,413	2,057	1,956
Oregon	4,288	28,643	4,076	2,457	1,430	1,148
Pennsylvania	NA	145,364	23,427	13,074	7,835	5,110
Rhode Island	2,149	12,998	1,749	999	667	479
South Carolina	3,589	22,107	3,148	1,784	1,354	1,180
South Dakota	1,512	10,120	1,920	1,066	476	288
Tennessee	11,835	53,202	8,430	4,422	2,431	2,238
Texas	43,011	185,828	24,896	14,895	11,451	11,707
Utah	5,556	31,426	5,205	4,320	2,000	1,308
Vermont	447	2,595	327	212	127	87
Virginia	10,207	66,161	10,029	6,545	3,840	2,763
Washington	7,049	50,573	6,488	5,338	2,558	2,073
West Virginia	4,169	26,168	3,536	2,209	1,634	1,211
Wisconsin	13,749	81,146	15,464	9,095	4,300	2,542
Wyoming	1,608	9,767	1,368	1,079	633	383
Total	**524,511**	**3,225,955**	**474,960**	**292,916**	**183,855**	**151,449**

See footnotes at end of table.

Table 16

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	1,070	1,077	1,173	1,452	1,954	2,458
Alaska	1,308	1,250	985	1,946	2,090	2,755
Arizona	1,877	1,959	2,113	2,294	2,836	3,444
Arkansas	1,927	1,403	1,537	1,655	1,426	4,130
California	17,572	16,392	15,966	16,684	20,237	24,531
Colorado	1,761	2,027	2,537	3,411	5,699	7,202
Connecticut	2,306	2,422	2,245	3,303	3,741	5,538
Delaware	185	195	227	351	499	450
District of Columbia	857	887	983	1,345	1,716	2,047
Florida	3,233	3,400	3,489	3,839	4,155	4,502
Georgia	2,123	2,158	2,305	3,790	4,105	5,031
Hawaii	141	146	151	148	146	150
Idaho	418	457	554	674	1,132	1,526
Illinois	6,704	6,246	6,325	8,281	15,395	19,510
Indiana	2,597	2,502	2,641	3,896	6,850	8,703
Iowa	1,086	1,400	1,273	2,438	3,262	4,414
Kansas	1,371	1,442	1,405	1,722	2,997	4,337
Kentucky	1,060	1,056	1,147	1,492	2,534	3,728
Louisiana	1,386	1,364	1,559	1,730	2,129	2,412
Maine	78	85	81	107	271	341
Maryland	2,070	2,077	2,587	3,498	4,673	6,224
Massachusetts	2,318	2,503	3,060	4,325	5,889	7,378
Michigan	6,094	5,423	6,883	10,344	16,410	21,942
Minnesota	3,027	2,938	2,928	4,018	7,515	9,695
Mississippi	1,024	1,016	985	1,296	1,569	1,893
Missouri	1,962	2,057	2,155	3,115	4,672	7,284
Montana	359	433	511	736	1,098	1,521
Nebraska	955	955	1,309	1,518	2,392	3,280
Nevada	1,526	1,825	1,656	1,802	2,003	2,662
New Hampshire	276	263	342	472	707	994
New Jersey	13,684	3,844	6,230	6,049	13,562	20,076
New Mexico	1,143	1,279	1,922	1,709	1,504	3,031
New York	29,704	28,305	29,082	30,103	34,862	52,831
North Carolina	1,542	1,529	1,897	1,923	2,967	4,835
North Dakota	326	272	354	512	860	1,177
Ohio	4,940	4,992	5,395	8,406	14,376	21,354
Oklahoma	1,893	1,935	1,539	2,390	3,343	4,641
Oregon	1,013	1,080	1,391	1,812	2,380	3,475
Pennsylvania	4,437	4,240	5,052	6,650	11,432	16,078
Rhode Island	447	443	541	726	1,303	1,514
South Carolina	1,107	1,119	1,177	1,366	1,656	2,044
South Dakota	251	282	329	521	714	1,317
Tennessee	1,834	1,801	2,072	2,491	3,735	4,645
Texas	12,328	11,720	11,359	12,951	14,521	16,180
Utah	919	955	954	1,240	1,993	3,889
Vermont	82	81	102	161	227	337
Virginia	2,691	2,504	2,802	3,561	5,192	6,721
Washington	1,894	2,078	2,688	3,402	4,613	5,816
West Virginia	1,235	1,173	1,203	1,638	2,033	3,048
Wisconsin	2,491	2,173	2,394	3,633	6,333	8,047
Wyoming	300	305	333	545	895	1,445
Total	**152,929**	**139,471**	**149,933**	**183,472**	**258,602**	**352,582**

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001

(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				October	September	August
Alabama	142,649	159,450	168,631	14,890	13,879	14,386
Alaska	NA	61,784	60,481	5,720	6,144	NA
Arizona	21,960	20,449	22,644	1,676	1,825	1,984
Arkansas	NA	110,177	119,332	9,645	7,587	7,323
California	1,138,604	1,126,897	920,302	103,404	116,352	126,970
Colorado	94,448	72,919	66,481	7,844	7,545	8,893
Connecticut	21,113	27,930	25,287	2,107	1,837	1,885
Delaware	21,347	28,001	17,018	2,529	1,999	1,838
District of Columbia	0	0	0	0	0	0
Florida	105,868	118,601	117,767	10,498	11,215	10,777
Georgia	NA	147,650	136,863	13,489	12,719	14,785
Hawaii	453	446	379	41	39	47
Idaho [a]	24,793	26,862	27,990	2,377	2,135	2,002
Illinois	248,682	269,957	248,202	25,415	18,871	23,273
Indiana	NA	256,296	262,217	21,265	NA	20,496
Iowa	NA	81,405	84,414	7,856	7,091	7,311
Kansas	80,319	92,384	82,620	6,766	8,638	9,968
Kentucky	NA	82,990	80,622	7,233	NA	6,507
Louisiana	886,799	730,421	723,012	94,692	91,332	90,898
Maine	1,821	2,849	2,055	308	210	208
Maryland	NA	37,976	34,548	3,174	NA	4,579
Massachusetts	118,281	124,803	129,320	11,256	10,391	12,636
Michigan	240,350	245,819	242,022	22,066	19,333	20,378
Minnesota	71,470	84,726	86,629	7,061	7,652	6,898
Mississippi	78,654	93,162	98,558	6,995	7,692	7,464
Missouri	56,409	55,899	50,663	5,059	4,406	4,993
Montana	16,830	19,068	18,681	1,555	1,239	1,334
Nebraska	32,211	39,071	40,239	2,532	3,375	3,739
Nevada	40,875	37,235	28,079	5,412	4,761	5,416
New Hampshire	2,932	3,822	5,123	321	253	201
New Jersey	130,271	165,274	171,376	13,193	14,822	14,409
New Mexico	29,877	21,857	21,091	1,905	1,972	2,095
New York	NA	284,315	246,644	22,284	NA	25,872
North Carolina	72,309	89,174	87,496	8,989	7,394	7,839
North Dakota	15,596	12,412	14,639	1,463	1,361	1,797
Ohio	234,740	269,035	271,297	22,320	19,690	18,118
Oklahoma	106,816	141,122	150,407	8,660	7,338	7,483
Oregon	NA	89,524	86,778	12,016	5,196	NA
Pennsylvania	178,468	206,361	198,000	17,709	18,151	17,375
Rhode Island	NA	37,633	45,621	NA	NA	6,065
South Carolina	64,376	82,931	84,033	8,408	6,827	7,129
South Dakota	6,135	4,948	4,154	374	402	444
Tennessee	110,979	105,784	122,279	13,539	9,259	10,472
Texas	1,617,149	1,782,324	1,566,648	180,256	179,624	184,357
Utah	28,847	32,203	33,399	3,045	2,730	2,367
Vermont	2,131	3,318	2,282	240	202	181
Virginia	NA	81,953	80,085	NA	8,702	9,294
Washington	NA	99,852	100,370	NA	NA	3,566
West Virginia	NA	37,263	36,645	2,609	3,606	3,070
Wisconsin	NA	126,853	117,971	12,491	9,914	9,662
Wyoming	23,216	29,549	30,767	2,671	2,403	2,374
Total	**7,448,650**	**7,862,736**	**7,372,161**	**760,080**	**732,423**	**763,332**

See footnotes at end of table.

Table 17

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001					
	July	June	May	April	March	February
Alabama	13,740	13,425	14,493	14,024	15,721	14,026
Alaska	7,286	5,235	5,728	6,151	6,487	5,805
Arizona	2,804	2,266	2,379	2,002	2,267	2,460
Arkansas	8,129	NA	9,809	10,024	10,593	NA
California	117,280	113,462	114,391	110,102	109,447	108,390
Colorado	8,507	8,162	9,225	11,174	10,717	10,249
Connecticut	2,365	2,111	2,302	2,065	2,199	2,053
Delaware	1,865	1,839	1,579	2,205	2,354	2,588
District of Columbia	0	0	0	0	0	0
Florida	11,725	10,326	10,925	10,437	10,251	9,233
Georgia	13,086	11,733	12,021	NA	13,094	11,511
Hawaii	50	46	46	47	44	43
Idaho [a]	2,309	2,286	2,320	2,661	2,777	2,826
Illinois	24,006	20,129	24,389	23,815	29,170	29,292
Indiana	NA	19,065	19,635	20,256	25,296	24,195
Iowa	NA	6,987	7,912	8,120	9,066	8,810
Kansas	8,833	6,545	5,682	7,543	8,424	8,460
Kentucky	6,648	6,391	6,533	9,833	7,311	8,595
Louisiana	84,834	80,184	82,631	91,609	96,285	86,299
Maine	186	195	167	51	76	314
Maryland	3,311	3,458	3,072	3,100	3,649	2,909
Massachusetts	10,817	10,866	12,359	11,603	11,651	13,239
Michigan	20,990	21,823	22,132	26,777	29,494	27,728
Minnesota	5,898	5,750	5,771	7,290	8,357	8,061
Mississippi	7,299	7,475	7,919	7,940	9,236	6,432
Missouri	4,870	4,496	4,620	5,627	5,699	7,933
Montana	1,494	1,227	1,228	1,867	2,220	2,222
Nebraska	5,233	2,615	2,590	3,156	2,770	2,967
Nevada	4,251	3,878	2,622	2,322	3,628	4,466
New Hampshire	266	277	397	163	378	336
New Jersey	14,142	12,842	9,178	12,564	12,780	13,187
New Mexico	6,145	3,297	3,553	3,296	2,625	2,536
New York	23,321	24,819	22,445	25,583	26,460	25,367
North Carolina	6,997	7,026	6,697	6,704	7,491	6,309
North Dakota	815	2,014	1,855	2,198	1,231	1,553
Ohio	19,353	19,767	20,690	23,206	28,172	28,382
Oklahoma	10,603	10,182	12,669	12,464	12,596	14,486
Oregon	6,978	7,633	7,637	8,199	8,910	9,919
Pennsylvania	15,310	14,559	16,610	17,920	20,257	19,959
Rhode Island	5,269	4,852	5,197	3,625	5,389	2,954
South Carolina	6,652	6,245	6,103	6,097	6,657	5,548
South Dakota	529	513	822	866	861	720
Tennessee	9,870	10,227	10,118	12,554	11,605	11,208
Texas	188,612	135,066	143,541	140,749	164,043	147,429
Utah	2,640	2,866	2,965	3,001	2,766	3,278
Vermont	165	176	261	242	309	183
Virginia	8,016	4,659	5,793	4,896	4,722	6,321
Washington	10,848	10,633	11,763	11,415	11,824	11,331
West Virginia	3,290	NA	NA	3,335	NA	3,457
Wisconsin	9,058	NA	NA	11,397	19,281	16,412
Wyoming	2,286	2,398	2,339	2,155	1,804	1,719
Total	**755,157**	**672,572**	**697,327**	**728,603**	**792,122**	**752,657**

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	14,066	191,010	16,038	15,523	15,063	13,787
Alaska	6,543	72,694	6,000	4,910	5,262	4,647
Arizona	2,298	25,052	2,428	2,175	1,930	2,050
Arkansas	10,397	132,834	11,826	10,831	11,408	9,943
California	118,805	1,350,795	110,101	113,796	134,647	129,442
Colorado	12,131	90,233	9,821	7,493	6,774	6,980
Connecticut	2,189	33,598	2,817	2,851	2,198	2,320
Delaware	2,551	33,103	2,645	2,457	3,112	2,334
District of Columbia	0	0	0	0	0	0
Florida	10,481	139,597	9,767	11,229	10,873	10,589
Georgia	10,835	173,277	12,357	13,270	13,716	13,796
Hawaii	51	536	43	47	46	40
Idaho [a]	3,101	32,464	2,790	2,811	2,765	2,545
Illinois	30,323	335,154	34,634	30,563	23,869	24,114
Indiana	27,925	312,222	30,064	25,863	24,240	23,427
Iowa	9,554	100,368	9,937	9,027	8,208	7,652
Kansas	9,461	108,903	7,927	8,592	7,358	10,961
Kentucky	10,733	100,803	9,159	8,654	7,552	7,329
Louisiana	88,034	899,418	83,603	85,394	85,484	79,940
Maine	107	3,927	581	496	334	246
Maryland	3,157	46,220	4,116	4,128	3,895	3,701
Massachusetts	13,462	151,845	15,068	11,974	12,721	9,554
Michigan	29,628	297,963	29,269	22,875	20,419	19,199
Minnesota	8,734	103,952	9,740	9,486	7,486	8,753
Mississippi	10,201	111,764	9,696	8,905	8,427	8,409
Missouri	8,705	69,186	7,276	6,010	7,323	3,400
Montana	2,444	23,841	2,541	2,232	1,733	1,554
Nebraska	3,235	45,958	3,560	3,326	2,874	5,952
Nevada	4,120	46,573	4,995	4,342	4,718	4,357
New Hampshire	340	4,453	357	274	336	290
New Jersey	13,155	195,301	15,799	14,228	14,735	11,389
New Mexico	2,454	26,086	2,157	2,072	2,210	2,506
New York	25,164	338,202	27,155	26,732	26,539	28,712
North Carolina	6,863	105,416	7,664	8,578	8,600	7,652
North Dakota	1,310	14,795	1,178	1,206	1,450	1,197
Ohio	35,041	332,135	33,353	29,746	24,404	22,608
Oklahoma	10,335	163,919	11,008	11,788	10,874	12,717
Oregon	7,431	104,078	6,515	8,039	8,711	8,622
Pennsylvania	20,619	248,652	21,993	20,298	18,553	18,152
Rhode Island	3,491	46,393	4,322	4,438	3,915	1,630
South Carolina	4,712	97,682	6,668	8,083	7,710	7,075
South Dakota	602	6,400	672	780	413	614
Tennessee	12,126	129,548	12,263	11,502	11,410	10,348
Texas	153,471	2,165,454	194,019	189,111	181,821	177,702
Utah	3,190	39,378	3,617	3,558	3,066	3,058
Vermont	172	3,949	228	403	384	370
Virginia	6,874	100,530	12,253	6,324	5,997	7,739
Washington	10,791	116,233	8,181	8,199	10,328	9,292
West Virginia	3,749	44,421	3,832	3,325	3,250	3,385
Wisconsin	16,149	159,842	18,505	14,483	11,909	10,467
Wyoming	3,068	35,409	2,665	3,195	1,894	2,213
Total	**794,377**	**9,511,565**	**843,204**	**805,625**	**792,947**	**764,758**

See footnotes at end of table.

Table 17

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	15,060	14,164	15,106	16,102	17,256	17,656
Alaska	8,885	6,897	5,776	4,811	6,317	6,678
Arizona	2,060	2,215	2,094	2,160	1,674	2,145
Arkansas	9,944	8,868	9,509	10,932	11,415	12,609
California	154,030	130,855	120,151	105,890	82,450	87,466
Colorado	6,683	6,175	6,851	6,248	8,073	7,903
Connecticut	2,974	2,031	2,446	2,173	2,903	3,635
Delaware	2,037	2,229	2,688	3,019	3,310	3,231
District of Columbia	0	0	0	0	0	0
Florida	11,863	11,360	11,813	12,549	12,575	12,876
Georgia	15,060	14,959	14,742	16,635	14,499	15,457
Hawaii	42	46	46	47	44	46
Idaho [a]	2,209	2,411	2,489	2,680	2,785	2,915
Illinois	24,854	21,166	23,536	24,763	26,429	30,980
Indiana	23,508	22,141	23,076	24,078	24,995	27,987
Iowa	7,319	6,696	7,705	7,035	8,287	9,107
Kansas	11,230	10,410	8,995	8,448	8,169	8,693
Kentucky	7,184	6,899	7,205	7,396	9,076	8,996
Louisiana	86,359	61,748	61,460	67,762	63,826	70,624
Maine	229	224	239	243	335	315
Maryland	3,968	3,972	3,689	3,743	3,626	4,039
Massachusetts	11,509	11,783	11,262	13,522	13,043	14,781
Michigan	18,894	18,582	21,169	24,921	27,681	30,915
Minnesota	7,051	6,582	10,032	5,151	8,848	8,845
Mississippi	8,777	7,831	8,798	9,344	9,999	10,367
Missouri	3,221	4,991	5,045	5,288	5,635	6,830
Montana	1,331	1,398	1,686	1,551	2,242	2,437
Nebraska	3,093	6,141	3,832	2,962	3,371	3,575
Nevada	4,692	3,135	3,537	4,306	3,882	2,913
New Hampshire	293	278	328	426	440	558
New Jersey	11,563	17,928	15,755	16,903	18,329	20,004
New Mexico	2,514	2,166	2,065	1,907	2,009	2,585
New York	30,648	27,204	28,090	28,214	31,160	35,707
North Carolina	7,821	8,042	9,289	9,202	9,057	10,457
North Dakota	1,216	572	1,940	1,000	1,356	1,231
Ohio	22,421	22,232	23,054	25,216	28,307	31,083
Oklahoma	12,423	12,882	15,855	15,012	15,517	14,532
Oregon	8,088	8,040	8,062	8,425	9,638	9,787
Pennsylvania	19,081	18,139	18,980	19,124	21,954	25,068
Rhode Island	2,214	2,269	2,734	3,484	4,323	4,214
South Carolina	7,941	7,623	7,292	9,028	9,331	9,733
South Dakota	746	569	504	345	393	413
Tennessee	10,032	9,443	10,072	10,168	11,340	10,459
Texas	198,331	177,391	190,026	191,809	176,765	149,697
Utah	3,012	3,118	2,695	2,709	3,367	3,680
Vermont	310	321	331	303	353	350
Virginia	6,934	9,367	9,675	7,348	9,309	7,455
Washington	9,192	8,259	9,164	9,610	10,017	10,784
West Virginia	3,425	3,428	3,474	3,671	3,732	4,070
Wisconsin	10,373	9,349	9,861	10,624	13,387	15,139
Wyoming	2,043	1,860	2,369	3,288	3,897	3,488
Total	**824,688**	**746,393**	**766,587**	**771,574**	**766,728**	**784,515**

[a] Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

[NA] Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia.

See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1999-2001

(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				October	September	August
Alabama	52,910	30,659	19,335	6,682	6,602	8,257
Alaska	26,421	28,876	24,323	2,851	2,373	2,600
Arizona	95,595	73,969	44,255	6,219	7,159	9,536
Arkansas	NA	31,665	36,035	1,544	1,634	3,555
California	107,322	109,453	130,130	9,483	9,966	12,184
Colorado	39,690	25,853	16,874	4,500	3,958	4,255
Connecticut	0	0	11,377	0	0	0
Delaware	421	4,327	19,038	22	233	81
District of Columbia	0	0	0	0	0	0
Florida	272,823	283,621	268,919	36,823	38,234	37,384
Georgia	12,195	21,062	19,877	776	1,853	3,120
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	4,499	2,479	38,035	526	297	1,226
Indiana	5,407	5,486	7,246	107	271	1,496
Iowa	5,180	4,223	4,692	257	451	1,245
Kansas	22,880	31,043	34,071	1,289	1,686	5,398
Kentucky	3,708	3,194	5,100	239	405	1,056
Louisiana	207,539	256,746	286,333	18,182	24,115	35,190
Maine	0	0	0	0	0	0
Maryland	6	18,692	15,627	0	1	2
Massachusetts	2,035	2,966	7,633	336	451	554
Michigan	28,563	36,333	44,867	4,307	2,577	6,107
Minnesota	4,967	4,663	6,188	197	224	1,520
Mississippi	97,328	80,596	86,972	12,910	17,435	16,388
Missouri	26,865	28,670	18,369	1,994	2,832	6,224
Montana	146	159	265	1	3	47
Nebraska	3,985	4,872	4,398	260	191	731
Nevada	58,672	65,313	54,517	4,781	4,112	5,712
New Hampshire	498	783	416	292	185	20
New Jersey	1,204	16,871	30,444	24	67	471
New Mexico	34,952	34,722	30,725	2,915	3,251	4,265
New York	76,438	87,564	161,547	11,505	11,237	14,708
North Carolina	7,407	9,364	10,495	416	500	3,173
North Dakota	3	0	0	0	0	0
Ohio	5,138	6,218	10,492	81	181	1,267
Oklahoma	142,438	149,314	152,334	12,517	16,613	23,748
Oregon	38,997	31,618	17,956	3,847	3,565	4,246
Pennsylvania	2,758	2,683	9,670	167	221	654
Rhode Island	0	0	0	0	0	0
South Carolina	2,210	2,744	4,982	804	62	525
South Dakota	4,387	2,884	2,408	58	205	664
Tennessee	47	1,771	3,391	0	0	0
Texas	870,016	1,104,866	1,079,351	70,974	82,891	131,279
Utah	12,526	8,314	5,558	725	1,141	1,138
Vermont	110	890	243	3	2	2
Virginia	14,290	15,255	21,425	2,290	3,047	3,536
Washington	44,660	33,366	5,974	2,354	2,507	3,760
West Virginia	460	366	307	29	37	104
Wisconsin	11,068	9,948	12,808	778	960	2,328
Wyoming	2,311	1,468	142	196	173	186
Total	**2,370,513**	**2,675,930**	**2,765,142**	**224,262**	**253,907**	**359,940**

See footnotes at end of table.

Table 18

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001					
	July	June	May	April	March	February
Alabama	7,771	6,482	4,641	3,331	3,623	1,845
Alaska	2,483	2,437	2,265	2,433	2,962	2,844
Arizona	10,766	10,322	13,167	11,380	10,355	9,845
Arkansas	3,790	1,428	1,753	2,511	1,164	NA
California	10,248	9,909	10,925	11,287	10,539	10,510
Colorado	4,738	4,241	3,905	3,979	4,286	3,128
Connecticut	0	0	0	0	0	0
Delaware	38	21	5	5	5	6
District of Columbia	0	0	0	0	0	0
Florida	36,268	31,497	25,687	23,007	18,266	11,945
Georgia	2,742	1,262	1,154	1,138	91	36
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	1,352	441	312	74	81	93
Indiana	749	630	141	412	188	939
Iowa	1,116	483	545	362	323	173
Kansas	7,576	2,043	1,586	988	997	638
Kentucky	841	351	306	205	194	51
Louisiana	30,144	20,017	19,898	20,504	13,251	11,918
Maine	0	0	0	0	0	0
Maryland	1	1	1	0	0	0
Massachusetts	198	125	226	57	71	8
Michigan	5,271	2,785	1,061	638	1,739	1,565
Minnesota	1,305	446	418	282	253	131
Mississippi	16,065	8,776	8,837	8,249	3,489	1,703
Missouri	6,128	2,764	2,188	2,192	1,411	654
Montana	61	19	7	1	4	0
Nebraska	1,246	441	323	330	293	107
Nevada	5,549	5,526	6,724	5,595	7,607	5,726
New Hampshire	0	0	0	0	0	0
New Jersey	166	252	86	61	56	21
New Mexico	4,905	4,229	4,023	4,031	3,334	2,465
New York	12,049	9,056	5,225	4,271	3,062	2,923
North Carolina	1,800	1,017	315	152	27	0
North Dakota	0	0	1	0	0	0
Ohio	1,267	589	810	423	340	102
Oklahoma	27,086	15,635	11,818	10,440	9,542	6,291
Oregon	4,228	4,264	3,452	3,333	3,425	5,099
Pennsylvania	593	373	370	109	93	94
Rhode Island	0	0	0	0	0	0
South Carolina	356	281	94	47	10	8
South Dakota	713	455	654	633	599	302
Tennessee	22	23	0	0	2	0
Texas	134,024	103,980	93,384	79,731	61,306	52,505
Utah	1,121	1,362	1,503	1,489	1,380	1,389
Vermont	3	3	54	2	6	3
Virginia	2,519	1,761	644	331	78	22
Washington	5,371	3,720	5,798	5,787	5,674	5,604
West Virginia	97	60	62	21	18	16
Wisconsin	1,841	943	756	580	1,015	1,296
Wyoming	228	162	256	384	269	229
Total	**354,834**	**260,613**	**235,381**	**210,784**	**171,432**	**142,626**

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	3,677	36,344	2,801	2,884	1,786	3,225
Alaska	3,173	35,570	3,503	3,192	3,101	2,874
Arizona	6,845	92,019	8,870	9,180	8,454	10,500
Arkansas	1,668	34,603	1,697	1,240	550	2,346
California	12,271	129,449	10,220	9,776	10,078	13,583
Colorado	2,700	32,148	3,568	2,727	2,651	3,071
Connecticut	0	0	0	0	0	0
Delaware	7	4,337	5	5	1	13
District of Columbia	0	0	0	0	0	0
Florida	13,712	316,486	14,992	17,873	23,037	27,763
Georgia	22	21,447	58	327	466	1,941
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	97	2,764	130	156	129	279
Indiana	474	7,754	1,986	282	627	1,193
Iowa	225	4,735	257	255	251	486
Kansas	678	33,509	1,239	1,227	1,321	3,667
Kentucky	61	4,073	519	359	194	133
Louisiana	14,320	292,002	17,809	17,447	20,551	27,576
Maine	0	0	0	0	0	0
Maryland	0	20,665	109	1,864	1,594	1,308
Massachusetts	9	3,190	23	201	247	171
Michigan	2,512	43,548	3,891	3,325	2,942	2,805
Minnesota	192	5,411	413	335	289	268
Mississippi	3,476	89,110	4,617	3,896	3,745	6,197
Missouri	478	30,480	1,161	650	1,405	3,470
Montana	1	192	25	8	0	5
Nebraska	65	5,508	316	319	410	586
Nevada	7,338	80,037	7,380	7,343	8,092	7,974
New Hampshire	0	783	0	0	0	0
New Jersey	0	16,952	54	26	34	100
New Mexico	1,536	38,080	1,757	1,601	2,414	3,002
New York	2,404	95,812	3,242	5,006	6,021	6,761
North Carolina	7	9,579	4	210	204	736
North Dakota	0	0	0	0	0	0
Ohio	80	6,791	250	323	291	340
Oklahoma	8,748	169,031	11,350	8,367	10,238	18,117
Oregon	3,539	41,500	5,761	4,121	4,316	4,053
Pennsylvania	84	2,955	79	193	207	187
Rhode Island	0	0	0	0	0	0
South Carolina	23	2,814	14	55	31	75
South Dakota	104	3,607	311	412	235	460
Tennessee	0	1,829	14	43	0	15
Texas	59,942	1,245,008	72,445	67,697	88,232	119,309
Utah	1,278	10,544	1,182	1,048	1,071	879
Vermont	31	1,023	18	116	127	112
Virginia	62	15,923	235	433	519	562
Washington	4,084	41,173	2,829	4,978	6,796	6,420
West Virginia	16	425	33	26	41	74
Wisconsin	572	12,043	1,436	658	426	686
Wyoming	229	1,843	239	135	360	213
Total	**156,734**	**3,043,094**	**186,846**	**180,318**	**213,487**	**283,535**

See footnotes at end of table.

Table 18

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	7,664	6,473	4,484	3,825	1,449	246
Alaska	2,819	2,797	2,699	2,831	2,684	2,910
Arizona	14,122	11,522	8,958	6,904	3,983	2,687
Arkansas	5,039	4,641	3,986	3,902	3,267	3,830
California	17,611	15,277	13,724	9,877	5,473	8,114
Colorado	4,115	3,577	2,716	2,585	1,134	1,952
Connecticut	0	0	0	0	0	0
Delaware	27	17	1,126	1,307	487	317
District of Columbia	0	0	0	0	0	0
Florida	32,193	32,272	28,482	31,636	27,953	29,405
Georgia	5,018	6,032	3,627	3,448	242	154
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	502	515	264	359	162	58
Indiana	988	689	238	477	296	158
Iowa	972	628	326	581	241	220
Kansas	8,932	6,020	2,170	2,730	2,085	1,170
Kentucky	464	307	417	767	116	107
Louisiana	40,290	34,861	29,575	28,352	19,421	20,951
Maine	0	0	0	0	0	0
Maryland	3,029	2,150	4,187	2,603	1,972	1,068
Massachusetts	508	281	344	449	431	289
Michigan	5,522	2,659	4,210	4,754	3,254	2,589
Minnesota	1,308	790	613	440	268	200
Mississippi	11,679	11,398	9,777	10,434	6,032	5,957
Missouri	8,384	4,583	2,511	2,932	1,545	1,066
Montana	55	32	19	8	0	8
Nebraska	1,519	926	478	471	178	75
Nevada	9,610	7,714	7,471	5,848	4,805	4,730
New Hampshire	0	0	0	2	187	415
New Jersey	2,619	2,689	4,157	3,335	1,979	969
New Mexico	4,929	4,589	3,227	3,567	3,411	3,574
New York	8,748	13,156	11,315	10,633	9,099	9,217
North Carolina	2,273	1,831	2,505	1,613	27	37
North Dakota	0	0	0	0	0	0
Ohio	1,231	603	626	1,142	610	668
Oklahoma	26,734	22,244	14,828	16,392	14,196	10,753
Oregon	4,417	4,793	3,061	1,647	565	2,626
Pennsylvania	382	214	263	286	272	270
Rhode Island	0	0	0	0	0	0
South Carolina	650	549	720	573	69	27
South Dakota	810	567	421	210	27	57
Tennessee	184	414	235	485	9	18
Texas	162,282	155,290	124,190	135,107	93,453	87,318
Utah	1,222	1,097	1,258	851	669	607
Vermont	160	130	168	89	62	14
Virginia	2,074	1,832	1,682	1,928	1,503	1,958
Washington	7,189	5,564	5,106	1,619	111	2
West Virginia	45	26	61	14	24	33
Wisconsin	1,787	1,221	670	1,761	842	712
Wyoming	238	287	321	12	5	8
Total	**410,344**	**373,256**	**307,218**	**308,787**	**214,599**	**207,545**

[a] Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.
NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia.
Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				October	September	August
Alabama	258,012	244,276	243,769	24,908	22,789	24,895
Alaska	NA	123,597	119,092	11,919	10,333	NA
Arizona	172,578	146,752	118,991	10,929	11,843	14,271
Arkansas	169,772	191,346	208,212	17,276	14,072	15,514
California	1,854,492	1,829,890	1,722,701	160,104	163,742	178,678
Colorado	286,762	228,641	220,236	19,022	16,351	17,409
Connecticut	NA	96,456	105,416	6,490	NA	4,841
Delaware	34,899	43,778	48,299	3,209	2,621	2,258
District of Columbia	25,912	26,130	26,418	1,272	1,113	941
Florida	433,668	453,598	428,279	51,833	53,815	52,338
Georgia	NA	301,273	259,780	25,980	20,745	23,651
Hawaii	2,376	2,370	2,282	220	226	227
Idaho	50,593	50,456	51,746	3,746	3,043	2,844
Illinois	734,744	726,720	765,762	64,346	39,237	40,969
Indiana	NA	437,677	444,414	34,345	NA	NA
Iowa	NA	167,547	179,510	14,517	10,741	10,866
Kansas	193,876	203,243	203,804	11,684	13,266	18,357
Kentucky	NA	153,875	156,205	12,417	NA	9,784
Louisiana	NA	1,043,074	1,065,715	NA	NA	NA
Maine	4,053	5,696	4,739	502	326	302
Maryland	NA	159,793	154,745	11,822	NA	8,585
Massachusetts	264,748	266,208	270,352	19,379	16,485	17,877
Michigan	693,345	693,179	701,939	54,977	36,562	37,946
Minnesota	247,996	244,594	249,907	20,894	14,080	14,003
Mississippi	NA	209,625	221,137	22,030	NA	25,627
Missouri	232,056	214,454	211,183	13,659	11,909	15,374
Montana	42,686	43,348	43,206	3,440	2,131	2,148
Nebraska	94,641	96,287	100,107	5,554	5,399	6,284
Nevada	142,185	144,696	123,160	12,850	11,006	13,378
New Hampshire	15,445	16,694	16,518	1,177	855	589
New Jersey	450,366	468,000	503,930	31,355	25,864	24,993
New Mexico	107,823	102,194	98,028	7,771	7,270	8,165
New York	NA	1,016,261	995,414	68,676	NA	74,757
North Carolina	157,531	176,260	170,728	14,203	10,633	13,433
North Dakota	31,456	28,040	30,893	3,030	1,952	2,395
Ohio	633,112	647,529	656,318	48,475	32,336	30,175
Oklahoma	344,617	369,572	386,209	25,778	28,117	34,468
Oregon	NA	172,316	157,707	21,368	13,241	NA
Pennsylvania	NA	510,006	505,956	37,466	28,535	27,225
Rhode Island	NA	62,764	68,730	NA	NA	6,980
South Carolina	106,921	123,871	125,277	11,400	8,517	9,187
South Dakota	NA	23,577	23,383	1,701	1,167	1,678
Tennessee	207,325	195,639	215,638	18,057	12,548	13,356
Texas	2,905,414	3,172,053	2,925,389	277,936	280,057	342,915
Utah	103,975	99,870	102,119	9,107	6,464	5,884
Vermont	6,530	8,521	6,446	442	363	309
Virginia	NA	202,554	202,753	NA	16,185	17,167
Washington	NA	225,949	201,795	NA	NA	17,580
West Virginia	79,359	82,144	83,153	6,822	5,707	4,774
Wisconsin	NA	285,033	287,446	26,654	17,202	16,415
Wyoming	42,992	47,122	48,356	4,172	3,149	3,013
Total	**16,314,466**	**16,584,551**	**16,263,291**	**1,424,083**	**1,271,620**	**1,396,290**

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001					
	July	June	May	April	March	February
Alabama	23,738	22,397	22,531	24,279	27,936	28,418
Alaska	11,102	9,154	10,251	11,177	13,156	12,312
Arizona	16,407	15,827	19,759	19,016	21,528	23,136
Arkansas	13,638	11,461	14,394	16,273	20,177	19,540
California	167,051	161,947	172,734	189,353	201,309	215,940
Colorado	18,540	19,785	26,081	34,556	42,280	44,037
Connecticut	4,800	NA	5,996	9,977	13,985	14,262
Delaware	2,319	2,376	2,356	3,922	4,931	5,261
District of Columbia	1,253	1,293	1,713	3,327	4,377	4,815
Florida	52,183	46,246	41,540	38,994	34,578	29,070
Georgia	21,619	18,989	20,360	NA	36,829	34,546
Hawaii	242	244	237	243	247	237
Idaho	3,293	3,530	4,306	5,648	6,749	8,519
Illinois	42,284	39,081	46,939	62,502	116,688	131,858
Indiana	NA	NA	NA	NA	NA	NA
Iowa	NA	10,825	12,907	17,579	27,117	29,847
Kansas	19,522	11,612	11,196	17,395	26,818	27,907
Kentucky	9,542	8,632	9,548	14,885	21,615	23,081
Louisiana	NA	103,662	106,573	118,049	117,503	110,494
Maine	278	282	323	305	577	875
Maryland	7,439	8,081	9,013	14,433	21,897	22,949
Massachusetts	15,937	17,173	22,327	31,988	38,765	40,576
Michigan	38,563	41,455	48,392	77,479	112,951	112,343
Minnesota	12,706	12,851	15,177	24,580	39,246	46,046
Mississippi	25,159	18,044	19,073	19,726	NA	16,116
Missouri	15,429	12,509	13,352	22,808	34,281	40,720
Montana	2,355	2,434	3,050	5,028	5,773	8,348
Nebraska	8,468	5,368	6,985	10,895	13,509	15,234
Nevada	12,096	11,925	12,539	12,358	17,758	18,423
New Hampshire	548	680	1,293	1,936	2,640	2,874
New Jersey	25,359	24,611	28,088	50,766	70,799	76,848
New Mexico	13,077	9,579	10,186	11,874	11,231	14,550
New York	67,957	78,838	79,561	98,645	122,491	128,504
North Carolina	11,484	11,181	11,104	15,080	20,029	21,182
North Dakota	1,366	2,540	2,622	3,826	3,576	5,277
Ohio	33,199	34,539	41,314	66,285	101,721	109,794
Oklahoma	41,570	29,936	29,593	32,386	39,477	41,253
Oregon	16,359	17,361	15,774	18,202	20,853	24,926
Pennsylvania	25,139	26,178	NA	53,918	NA	80,369
Rhode Island	6,205	6,007	6,970	7,140	10,152	7,850
South Carolina	9,382	8,202	8,506	10,597	12,101	12,786
South Dakota	NA	1,639	2,433	3,339	4,634	4,871
Tennessee	13,075	13,445	14,261	22,306	27,420	29,379
Texas	344,981	262,860	272,987	259,096	280,561	274,619
Utah	6,106	6,982	7,742	11,148	13,022	17,404
Vermont	307	384	598	837	1,091	1,005
Virginia	14,567	10,777	11,849	NA	22,827	26,989
Washington	27,622	27,223	26,323	29,428	32,064	34,661
West Virginia	4,618	4,876	4,806	9,494	11,112	12,293
Wisconsin	16,143	15,935	NA	26,098	54,615	53,130
Wyoming	3,001	3,344	3,674	4,892	5,065	5,914
Total	**1,383,400**	**1,245,951**	**1,338,643**	**1,620,488**	**2,044,641**	**2,132,097**

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001	2000				
	January	Total	December	November	October	September
Alabama	36,121	298,492	31,038	23,174	19,947	19,282
Alaska	13,587	150,666	14,583	12,486	12,435	10,017
Arizona	19,862	184,023	20,652	16,546	13,475	15,434
Arkansas	27,427	242,977	30,258	21,372	14,970	14,540
California	243,634	2,247,921	213,789	199,735	193,758	185,511
Colorado	48,701	299,653	43,946	27,031	18,474	14,580
Connecticut	17,311	123,711	16,169	10,983	7,576	5,511
Delaware	5,646	52,034	4,756	3,498	3,618	2,575
District of Columbia	5,808	33,181	4,731	2,305	1,507	1,265
Florida	33,072	519,190	31,473	34,049	38,263	42,400
Georgia	49,766	394,896	57,665	35,432	23,929	22,194
Hawaii	253	2,841	232	240	233	227
Idaho	8,916	65,046	8,180	6,373	4,313	3,536
Illinois	150,840	1,006,805	171,913	108,105	56,387	44,310
Indiana	74,920	570,431	82,201	50,503	36,328	31,916
Iowa	33,445	224,526	34,772	22,207	13,815	11,309
Kansas	36,120	252,650	30,636	18,769	12,935	17,723
Kentucky	31,367	208,207	33,069	21,263	12,343	10,156
Louisiana	120,008	1,266,837	114,506	109,244	109,800	110,576
Maine	282	7,733	1,196	841	552	359
Maryland	30,549	206,716	27,920	18,923	12,045	9,458
Massachusetts	44,242	332,910	40,276	26,421	21,068	16,081
Michigan	132,676	893,256	127,001	73,045	50,142	37,873
Minnesota	48,412	333,386	53,647	35,138	18,947	15,490
Mississippi	25,837	248,908	22,958	16,325	14,584	16,441
Missouri	52,015	277,875	42,473	20,942	15,856	11,197
Montana	7,981	57,642	8,171	6,118	3,874	2,628
Nebraska	16,945	121,642	15,978	9,377	6,389	8,585
Nevada	19,852	182,188	20,096	17,345	15,984	14,958
New Hampshire	2,852	20,833	2,367	1,772	1,055	767
New Jersey	91,683	590,675	75,867	46,807	32,204	21,631
New Mexico	14,120	127,696	14,308	10,924	8,677	8,292
New York	135,629	1,248,672	132,667	98,801	81,091	77,438
North Carolina	29,204	221,998	27,014	18,720	13,446	11,135
North Dakota	4,871	36,553	5,043	3,462	2,599	1,775
Ohio	135,276	860,252	133,197	79,100	48,850	35,718
Oklahoma	42,038	442,877	43,731	29,160	25,508	34,279
Oregon	21,583	212,918	22,380	18,168	16,028	14,799
Pennsylvania	97,252	659,740	92,446	57,231	39,111	30,434
Rhode Island	9,111	78,046	8,558	6,700	5,305	2,614
South Carolina	16,242	151,660	15,842	11,945	10,102	8,863
South Dakota	4,383	32,735	5,524	3,633	1,725	1,638
Tennessee	43,477	252,528	35,741	21,139	16,208	13,816
Texas	309,403	3,789,439	329,893	287,491	289,811	314,512
Utah	20,115	136,975	19,656	17,305	9,961	7,660
Vermont	1,195	10,410	949	941	761	641
Virginia	34,420	262,316	38,207	21,492	13,644	12,776
Washington	33,009	279,757	28,385	25,312	22,916	19,808
West Virginia	14,857	102,616	12,733	7,738	6,297	5,269
Wisconsin	54,169	388,053	63,197	39,779	23,483	17,288
Wyoming	6,770	59,195	6,348	5,710	3,629	3,196
Total	**2,457,253**	**20,772,291**	**2,418,338**	**1,761,121**	**1,425,960**	**1,340,476**

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	24,928	22,919	22,099	23,619	24,009	24,998
Alaska	13,630	11,419	10,105	10,453	12,324	14,106
Arizona	18,961	16,692	14,343	12,869	11,156	12,468
Arkansas	17,825	15,704	15,948	18,046	18,547	24,709
California	211,329	186,972	177,466	164,187	147,206	182,967
Colorado	15,112	14,784	16,184	18,731	26,080	31,377
Connecticut	5,897	5,407	5,951	7,702	9,834	14,150
Delaware	2,436	2,686	4,335	5,333	5,280	5,176
District of Columbia	1,214	1,265	1,468	2,086	2,989	3,794
Florida	47,990	47,765	44,616	48,991	45,817	48,405
Georgia	26,034	26,924	24,509	28,691	27,287	31,768
Hawaii	221	235	242	243	235	245
Idaho	2,977	3,306	3,676	4,263	5,612	6,739
Illinois	42,649	37,476	42,177	49,016	77,398	96,165
Indiana	29,996	28,257	29,621	34,683	44,881	52,954
Iowa	10,787	10,275	10,914	12,708	17,180	21,418
Kansas	22,839	19,469	14,367	15,846	18,994	22,379
Kentucky	9,941	9,334	9,897	11,069	15,834	19,015
Louisiana	129,659	99,697	94,409	99,906	89,078	98,477
Maine	333	337	352	399	695	779
Maryland	11,018	10,141	12,730	13,219	16,827	20,177
Massachusetts	16,923	17,450	18,732	25,347	29,566	36,232
Michigan	38,018	34,443	41,984	58,514	80,227	98,106
Minnesota	14,141	13,169	16,924	14,522	26,275	31,473
Mississippi	22,172	20,998	20,381	22,253	19,458	20,766
Missouri	16,044	14,057	11,760	16,199	21,124	28,145
Montana	2,135	2,345	2,820	3,265	4,896	6,251
Nebraska	6,341	8,921	6,599	6,385	10,436	12,651
Nevada	16,759	13,683	13,848	13,523	12,718	14,016
New Hampshire	712	720	946	1,332	1,966	2,940
New Jersey	32,981	29,459	32,358	37,330	51,617	66,069
New Mexico	9,570	9,005	8,791	8,332	10,338	12,614
New York	79,554	79,670	83,009	91,712	112,760	146,323
North Carolina	12,646	12,409	15,174	14,964	16,501	22,878
North Dakota	1,765	1,054	2,622	2,007	3,132	3,713
Ohio	35,410	35,142	36,891	48,434	71,605	91,214
Oklahoma	42,478	38,642	34,038	36,568	38,242	37,371
Oregon	14,319	14,910	14,045	14,204	16,057	20,936
Pennsylvania	29,550	28,420	32,185	36,891	55,717	71,030
Rhode Island	3,113	3,194	3,990	5,489	7,439	8,308
South Carolina	10,164	9,786	9,766	12,109	12,975	14,684
South Dakota	2,050	1,665	1,587	1,648	2,192	3,147
Tennessee	13,154	12,848	13,690	15,657	19,875	21,822
Texas	378,616	350,608	332,679	348,352	299,306	270,747
Utah	6,597	6,662	6,401	6,610	8,997	14,968
Vermont	614	602	711	732	909	1,097
Virginia	13,187	15,277	15,962	15,706	21,526	24,520
Washington	19,888	17,899	20,078	19,214	21,309	25,798
West Virginia	5,241	5,147	5,486	7,222	8,280	10,969
Wisconsin	17,559	15,446	15,586	21,042	31,757	36,997
Wyoming	2,873	2,754	3,419	4,515	6,021	6,379
Total	**1,510,349**	**1,387,450**	**1,377,871**	**1,492,137**	**1,640,484**	**1,894,431**

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				October	September	August	July	June
Alabama	6.98	4.04	3.15	5.78	5.45	6.02	5.62	6.47
Alaska	2.37	1.60	1.31	2.29	2.25	2.22	1.91	2.68
Arizona	5.46	4.21	2.66	3.47	3.93	4.05	3.68	4.24
Arkansas	NA	3.64	2.86	NA	3.93	NA	NA	NA
California	7.26	3.86	2.54	2.38	2.71	2.80	2.92	8.08
Colorado	4.60	3.09	2.17	2.28	2.73	3.04	3.14	3.21
Connecticut	NA	6.35	4.72	4.23	NA	8.54	7.96	NA
Delaware	5.40	3.12	3.54	3.19	3.31	3.77	4.80	4.63
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.58	4.50	3.43	2.69	2.98	3.45	3.98	4.56
Georgia	NA	4.01	2.93	3.55	4.28	4.85	NA	6.43
Hawaii	7.98	8.16	5.27	7.42	7.92	7.90	7.92	7.76
Idaho	4.99	3.19	2.06	3.48	3.50	3.12	3.60	4.20
Illinois	6.04	4.20	2.92	2.46	2.60	3.99	3.80	4.56
Indiana	NA	3.40	2.37	NA	NA	NA	NA	NA
Iowa	NA	4.20	3.10	2.84	3.80	4.26	NA	5.40
Kansas	6.52	4.04	2.87	3.01	3.12	4.12	4.17	4.84
Kentucky	NA	4.21	3.17	4.26	NA	3.98	NA	6.45
Louisiana	NA	4.02	2.60	NA	NA	5.27	NA	4.60
Maine	NA	5.31	4.29	1.48	3.01	6.56	6.61	NA
Maryland	NA	4.68	3.38	5.13	NA	6.26	6.85	7.62
Massachusetts	6.99	5.03	3.71	3.75	6.15	6.69	7.38	6.73
Michigan	4.17	3.15	2.81	3.68	3.86	4.30	4.36	4.46
Minnesota	6.27	3.88	2.87	2.57	3.66	4.08	4.32	4.84
Mississippi	NA	3.85	2.78	3.35	NA	5.95	4.32	4.68
Missouri	6.98	4.44	3.36	3.57	5.33	6.02	6.38	6.47
Montana	4.20	3.11	2.46	1.96	2.23	2.58	2.56	2.33
Nebraska	7.04	3.96	2.99	2.85	4.13	4.18	4.31	4.96
Nevada	NA	4.11	2.40	3.57	4.67	5.22	3.63	3.95
New Hampshire	NA	4.66	3.82	NA	NA	6.56	5.67	3.59
New Jersey	NA	5.18	4.52	NA	9.29	7.47	8.33	8.06
New Mexico	4.52	3.04	2.13	2.36	2.07	2.62	2.48	2.80
New York	NA	4.28	2.86	2.87	2.90	3.64	3.38	3.97
North Carolina	7.69	4.66	3.23	4.42	5.02	5.55	5.96	6.07
North Dakota	NA	4.11	2.89	2.10	2.86	3.10	NA	2.93
Ohio	NA	5.86	4.93	5.70	5.13	7.63	NA	8.49
Oklahoma	7.00	3.49	2.72	4.00	5.69	5.01	4.92	5.85
Oregon	4.78	3.52	2.86	4.60	5.42	5.07	5.03	4.85
Pennsylvania	NA	4.66	3.67	5.91	6.32	6.11	6.58	6.75
Rhode Island	NA	3.85	4.01	NA	7.90	8.15	7.28	9.96
South Carolina	6.86	4.65	3.41	4.08	4.70	5.01	5.39	5.83
South Dakota	NA	4.39	3.42	3.25	4.61	4.51	NA	3.01
Tennessee	6.36	4.04	2.93	3.79	3.51	4.04	4.10	4.91
Texas	NA	3.74	2.76	NA	3.16	4.14	4.45	4.78
Utah	5.89	3.43	2.80	4.76	6.65	5.82	5.94	5.48
Vermont	5.69	3.96	2.97	4.44	4.92	5.17	5.72	5.85
Virginia	NA	4.49	3.86	NA	5.49	7.43	6.71	7.52
Washington	NA	3.36	2.49	NA	3.56	4.44	NA	4.07
West Virginia	NA	3.70	3.42	3.95	2.99	4.21	4.53	NA
Wisconsin	NA	3.91	3.03	2.85	3.68	5.04	5.17	NA
Wyoming	6.91	4.45	3.41	4.63	5.35	6.82	5.26	3.85
Total	**6.27**	**4.11**	**3.03**	**3.50**	**3.66**	**4.40**	**4.13**	**5.36**

See footnotes at end of table.

Table 20

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001					2000		
	May	April	March	February	January	Total	December	November
Alabama	6.98	6.33	6.90	8.60	7.12	4.50	6.00	5.62
Alaska	2.23	2.20	2.55	2.53	2.44	1.60	1.61	1.62
Arizona	4.92	5.22	5.31	6.25	7.91	4.82	7.07	5.51
Arkansas	NA	NA	NA	NA	NA	4.16	5.64	4.29
California	7.32	7.52	8.36	9.42	12.64	4.32	7.30	5.09
Colorado	3.94	5.21	4.73	5.01	7.10	3.53	5.13	4.04
Connecticut	8.87	9.97	8.65	10.03	11.06	6.73	8.32	7.06
Delaware	5.15	5.96	6.10	7.33	8.30	3.41	4.19	5.44
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.75	6.50	6.30	6.18	10.21	5.10	7.92	6.37
Georgia	5.77	NA	6.65	8.05	8.90	4.64	7.09	5.74
Hawaii	7.91	7.57	7.42	8.78	9.17	8.41	9.81	9.43
Idaho	6.00	5.24	4.10	4.69	6.94	4.02	6.70	4.67
Illinois	5.03	6.09	5.19	6.89	10.53	5.01	7.83	5.33
Indiana	NA	NA	NA	NA	NA	4.03	6.20	4.54
Iowa	6.52	6.47	6.06	8.01	9.35	5.06	7.38	5.74
Kansas	6.45	6.59	5.92	8.32	10.13	4.52	6.21	5.21
Kentucky	7.18	5.53	5.89	8.65	9.15	4.93	6.75	5.79
Louisiana	5.64	6.06	NA	6.96	10.43	4.61	7.26	5.39
Maine	11.90	5.84	6.53	7.57	6.97	5.30	5.98	4.41
Maryland	8.14	5.23	6.51	6.85	10.03	5.36	7.32	5.87
Massachusetts	5.78	6.40	6.00	7.64	9.42	5.43	7.00	5.69
Michigan	4.61	4.90	3.60	3.52	4.40	3.23	3.67	3.44
Minnesota	5.51	6.00	5.51	7.28	9.37	4.73	7.35	5.66
Mississippi	5.43	6.33	NA	6.44	9.68	4.66	7.47	5.50
Missouri	7.66	7.35	5.60	7.07	8.73	4.96	6.09	5.49
Montana	3.85	4.09	5.03	5.31	7.34	3.55	5.11	4.27
Nebraska	6.28	7.20	6.52	8.10	9.46	4.52	6.03	5.11
Nevada	NA	6.54	5.53	5.64	6.71	4.79	6.35	6.28
New Hampshire	4.75	4.77	4.88	5.21	6.06	5.34	7.38	7.20
New Jersey	9.65	8.41	6.15	7.48	8.82	5.34	6.66	5.74
New Mexico	3.71	4.55	4.75	5.81	5.56	3.79	6.04	4.98
New York	5.22	NA	5.37	6.47	8.99	4.67	7.13	5.26
North Carolina	7.25	7.20	7.05	9.60	9.87	5.09	6.78	5.77
North Dakota	4.76	5.64	6.00	6.48	9.50	4.60	6.20	5.41
Ohio	6.29	11.56	9.95	10.34	7.87	6.10	7.17	5.64
Oklahoma	6.61	5.95	6.89	9.58	6.59	3.91	5.58	5.60
Oregon	4.70	4.25	4.45	4.67	5.26	3.87	4.86	4.87
Pennsylvania	7.41	NA	NA	NA	NA	5.09	6.32	5.62
Rhode Island	9.90	8.79	8.49	5.95	7.40	4.36	6.70	4.47
South Carolina	6.94	6.87	6.34	7.88	10.46	5.09	6.81	5.87
South Dakota	7.30	7.50	6.58	7.68	9.94	4.81	6.29	4.55
Tennessee	5.55	5.99	6.30	7.73	9.28	4.72	7.14	5.64
Texas	5.61	5.71	NA	7.01	9.10	4.39	6.85	5.26
Utah	5.53	5.51	6.35	6.41	5.83	3.68	4.26	4.17
Vermont	6.08	6.11	6.08	5.99	5.68	4.26	5.21	5.34
Virginia	8.13	4.72	6.61	7.65	8.11	5.34	7.53	6.39
Washington	5.41	5.14	5.13	6.48	9.87	4.16	8.10	4.71
West Virginia	NA	5.98	NA	4.26	4.25	3.75	3.76	4.01
Wisconsin	NA	6.41	6.13	6.61	9.93	4.42	5.85	5.12
Wyoming	6.38	6.91	8.98	7.01	8.07	5.07	7.97	5.59
Total	**5.89**	**6.44**	**6.19**	**7.25**	**8.90**	**4.62**	**6.64**	**5.20**

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	October	September	August	July	June	May	April	March
Alabama	6.00	5.12	5.22	5.50	5.70	4.20	3.66	3.65
Alaska	1.62	1.60	1.58	1.53	1.59	1.62	1.60	1.64
Arizona	5.36	4.95	4.81	5.66	5.21	3.84	3.54	3.05
Arkansas	5.80	4.95	4.63	4.69	3.95	3.40	3.24	2.94
California	5.17	4.98	4.11	4.77	4.42	3.44	3.40	2.90
Colorado	4.24	3.32	3.56	4.05	3.71	2.91	2.82	2.31
Connecticut	7.30	9.69	7.12	7.54	7.99	6.62	5.67	5.59
Delaware	4.49	2.74	2.53	2.37	2.99	2.82	2.74	3.04
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.65	5.45	4.87	5.31	5.37	4.07	4.12	3.57
Georgia	5.31	5.09	5.17	4.81	4.81	3.67	3.29	3.48
Hawaii	9.09	9.04	8.69	8.17	8.46	8.84	8.05	6.96
Idaho	5.27	3.85	3.60	5.32	4.09	3.12	3.15	2.65
Illinois	6.39	6.05	5.12	5.96	7.23	4.38	3.46	3.30
Indiana	5.40	5.23	3.48	4.87	4.60	3.09	2.92	2.68
Iowa	6.41	5.84	5.45	6.39	5.45	7.00	3.72	3.75
Kansas	6.46	5.87	4.91	5.57	4.82	3.80	3.44	3.49
Kentucky	6.14	5.18	5.17	5.11	4.90	4.94	3.55	3.90
Louisiana	5.80	5.23	4.31	4.81	4.84	3.51	3.57	3.23
Maine	8.23	7.91	8.06	10.85	7.08	4.17	5.01	6.13
Maryland	7.62	6.25	6.70	8.23	8.46	6.74	4.48	4.20
Massachusetts	6.66	7.37	7.37	8.19	8.29	5.85	4.46	4.20
Michigan	3.47	3.32	3.33	3.33	3.02	3.00	3.06	2.90
Minnesota	5.95	5.67	4.92	5.64	5.22	3.64	3.33	3.63
Mississippi	5.73	5.05	4.61	5.08	3.61	3.96	3.08	3.50
Missouri	7.03	7.18	6.89	7.18	7.33	5.66	4.33	3.68
Montana	3.93	3.39	2.86	3.50	3.25	2.90	2.95	3.02
Nebraska	5.89	5.23	4.59	5.54	5.11	3.73	3.69	3.36
Nevada	5.26	4.39	4.09	5.77	5.24	4.39	4.01	3.55
New Hampshire	6.24	6.66	6.42	6.92	5.45	4.02	4.16	4.65
New Jersey	7.94	9.17	6.79	9.01	11.44	6.02	4.91	4.12
New Mexico	4.91	3.66	3.16	3.78	3.77	2.96	2.70	2.50
New York	6.37	5.32	4.58	5.37	4.70	4.00	3.84	3.50
North Carolina	6.38	6.08	5.21	5.99	6.43	4.47	4.05	3.83
North Dakota	5.81	4.66	4.55	8.28	4.78	4.12	3.59	3.66
Ohio	7.58	6.74	7.86	8.41	6.01	7.94	5.96	6.73
Oklahoma	4.94	3.57	4.48	4.14	3.19	3.36	2.88	3.01
Oregon	4.66	3.70	4.17	4.69	4.14	3.58	3.54	3.05
Pennsylvania	6.40	6.64	5.43	7.85	7.13	6.08	4.00	4.37
Rhode Island	7.15	5.65	5.60	5.36	4.87	3.74	2.92	3.17
South Carolina	6.56	6.15	5.47	5.93	5.73	4.55	4.14	3.84
South Dakota	5.57	5.06	5.66	6.92	6.39	7.12	4.09	3.83
Tennessee	6.05	5.09	4.12	5.25	5.00	3.94	4.26	3.08
Texas	5.49	5.02	4.31	4.53	4.43	3.15	3.21	2.87
Utah	3.88	3.43	3.74	3.15	3.14	2.73	3.09	3.68
Vermont	5.11	4.39	4.49	4.08	4.05	4.10	3.71	3.80
Virginia	5.82	7.29	6.87	7.40	6.75	7.28	3.51	3.93
Washington	4.35	3.67	3.76	4.96	4.83	3.22	3.47	2.86
West Virginia	5.48	2.86	7.10	4.97	4.06	3.06	3.26	3.55
Wisconsin	5.79	5.63	5.04	5.88	5.67	4.20	3.41	3.44
Wyoming	5.50	4.51	4.34	4.88	4.69	4.04	4.05	4.09
Total	**5.66**	**5.21**	**4.63**	**5.20**	**5.19**	**4.15**	**3.72**	**3.54**

NA Not Available.

— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				October	September	August	July	June
Alabama	12.12	8.87	8.29	12.91	16.00	16.04	16.16	15.87
Alaska	4.30	3.54	3.69	4.27	4.51	4.74	4.91	4.63
Arizona	10.50	9.50	9.13	14.57	14.98	15.18	14.63	13.55
Arkansas	NA	7.22	6.94	8.57	11.38	NA	11.43	13.45
California	11.39	7.64	6.60	5.97	7.23	8.15	8.63	11.25
Colorado	9.15	5.85	5.36	10.16	13.04	13.57	12.64	11.39
Connecticut	NA	11.22	10.38	11.31	NA	13.93	14.95	NA
Delaware	10.95	8.19	8.69	13.07	14.91	15.77	14.33	13.67
District of Columbia	13.41	10.03	8.55	12.52	13.69	11.24	11.58	11.55
Florida	16.15	12.64	11.64	16.05	17.30	17.46	17.51	17.57
Georgia	NA	7.37	4.23	7.48	10.32	10.99	14.94	11.03
Hawaii	22.27	21.61	18.81	21.82	22.29	22.52	22.14	21.99
Idaho	8.33	5.94	5.35	9.62	10.05	10.29	9.85	9.39
Illinois	10.18	6.64	5.44	5.25	7.63	9.39	9.41	10.33
Indiana	NA	6.25	6.14	8.32	NA	NA	NA	NA
Iowa	NA	7.25	6.06	6.17	10.35	11.55	NA	11.16
Kansas	10.46	7.15	5.90	10.69	13.50	12.31	12.28	12.50
Kentucky	10.38	6.75	5.65	9.73	11.81	13.10	13.17	15.23
Louisiana	NA	7.45	6.63	NA	NA	NA	NA	9.36
Maine	12.49	9.35	7.73	12.73	13.62	16.90	17.96	17.07
Maryland	NA	9.61	8.39	8.95	NA	14.68	7.31	14.63
Massachusetts	13.34	9.50	9.49	13.06	15.30	16.03	14.99	14.09
Michigan	5.55	5.19	5.18	6.14	7.58	8.83	8.59	7.69
Minnesota	9.54	6.49	5.51	5.52	7.31	8.72	8.82	8.76
Mississippi	NA	7.12	5.88	7.93	NA	12.08	11.37	11.54
Missouri	10.92	7.31	6.30	12.68	14.93	15.88	15.24	14.17
Montana	7.25	5.94	5.17	6.74	8.55	8.83	8.81	8.10
Nebraska	8.92	6.01	4.96	6.83	8.92	9.66	9.17	8.97
Nevada	8.96	6.75	7.32	11.40	14.92	11.20	11.28	10.02
New Hampshire	12.49	9.43	7.35	12.79	14.65	15.93	16.39	14.83
New Jersey	7.55	7.41	7.50	9.29	9.22	9.25	8.60	8.40
New Mexico	9.82	5.98	5.44	5.63	8.18	9.94	8.96	10.88
New York	12.19	10.00	9.09	11.56	13.93	14.82	14.83	14.28
North Carolina	12.75	9.23	8.17	11.94	15.50	17.13	16.67	14.85
North Dakota	8.53	5.83	5.25	4.87	7.21	7.03	9.18	9.91
Ohio	10.52	7.04	6.17	9.30	10.59	10.18	13.49	12.36
Oklahoma	9.06	7.06	5.74	10.77	12.33	12.32	12.62	12.23
Oregon	9.40	7.84	7.15	11.18	11.17	11.21	10.79	10.18
Pennsylvania	NA	8.23	8.42	12.06	15.70	16.83	16.40	15.22
Rhode Island	NA	9.35	9.48	NA	13.54	14.94	14.68	13.70
South Carolina	12.77	8.70	8.40	11.86	13.64	13.95	13.81	13.40
South Dakota	NA	6.88	5.73	5.84	8.73	9.15	NA	8.97
Tennessee	10.81	6.99	6.33	9.47	10.87	12.03	11.80	12.11
Texas	NA	7.10	6.08	NA	11.58	6.03	10.79	12.04
Utah	8.44	6.20	5.27	6.82	9.55	9.34	9.36	8.82
Vermont	9.93	7.85	7.07	12.52	14.38	14.14	12.58	11.56
Virginia	NA	9.98	8.72	NA	16.58	17.30	17.33	16.41
Washington	NA	6.87	5.89	NA	10.92	11.48	11.14	10.72
West Virginia	NA	7.52	7.47	8.03	9.36	9.95	12.92	12.14
Wisconsin	NA	6.83	6.10	5.01	6.44	9.17	7.72	8.60
Wyoming	9.15	5.62	5.11	8.66	10.66	11.12	12.25	10.03
Total	**10.15**	**7.45**	**6.67**	**8.26**	**10.22**	**10.70**	**11.02**	**11.51**

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001					2000		
	May	April	March	February	January	Total	December	November
Alabama	14.65	12.08	12.53	12.05	10.12	9.22	9.74	11.85
Alaska	4.36	4.16	4.19	4.17	4.11	3.57	3.90	3.41
Arizona	11.69	10.47	9.47	9.21	9.10	9.43	8.88	9.93
Arkansas	2.02	12.62	9.94	11.63	9.67	7.43	7.87	7.65
California	11.58	11.89	13.73	13.72	12.07	8.21	10.48	9.54
Colorado	10.05	9.52	9.03	8.60	7.15	6.14	6.71	7.25
Connecticut	12.28	13.10	12.21	13.51	13.09	11.43	11.96	12.13
Delaware	12.36	11.14	10.78	10.31	9.27	8.33	8.52	9.65
District of Columbia	14.96	13.62	13.11	13.64	13.79	10.81	13.31	13.85
Florida	18.95	18.02	19.04	15.60	12.63	12.93	13.43	15.48
Georgia	10.81	NA	9.44	11.55	10.46	8.38	10.22	11.14
Hawaii	22.11	21.71	22.10	22.81	23.21	21.87	23.59	22.88
Idaho	8.93	8.76	8.53	7.96	7.15	6.28	7.04	7.28
Illinois	10.35	9.28	9.62	11.33	11.86	7.33	8.74	8.70
Indiana	NA	NA	NA	NA	NA	6.42	6.94	6.59
Iowa	10.43	9.34	8.48	9.76	11.16	7.81	9.49	8.03
Kansas	11.74	9.76	9.19	10.00	10.84	7.64	8.84	9.07
Kentucky	13.35	10.87	9.95	10.89	9.18	7.41	8.48	8.77
Louisiana	9.42	8.69	9.36	11.02	11.83	8.34	10.80	10.36
Maine	10.45	15.54	11.39	11.75	11.29	9.71	10.85	10.46
Maryland	14.37	12.68	10.82	12.85	11.94	9.78	10.06	10.49
Massachusetts	14.29	14.39	14.17	12.84	11.24	9.91	11.46	11.08
Michigan	7.17	5.40	4.93	4.92	4.87	5.11	4.76	5.11
Minnesota	9.30	8.67	8.73	9.39	12.62	7.13	8.86	7.84
Mississippi	10.80	10.60	NA	8.74	11.78	7.48	8.35	8.90
Missouri	12.87	11.19	10.76	10.93	9.01	7.85	9.17	9.31
Montana	7.67	7.40	7.40	6.99	6.60	6.04	6.33	6.20
Nebraska	9.20	8.08	8.25	10.31	8.72	6.45	7.54	7.88
Nevada	9.36	8.95	8.47	8.31	7.11	6.63	6.29	6.33
New Hampshire	10.90	11.76	13.02	12.07	11.71	10.07	12.13	12.68
New Jersey	8.13	7.76	7.35	6.96	6.93	7.28	6.98	6.74
New Mexico	12.47	13.43	13.44	9.34	8.25	6.10	6.80	5.78
New York	13.43	11.32	10.99	12.04	12.24	9.86	9.02	10.16
North Carolina	14.09	12.58	12.56	13.28	11.52	9.53	9.97	10.90
North Dakota	9.24	8.25	8.32	9.17	9.74	6.37	7.85	7.70
Ohio	11.90	10.89	10.87	11.02	9.31	7.70	9.41	9.40
Oklahoma	9.78	9.82	8.70	9.09	7.23	7.36	7.77	8.89
Oregon	9.49	9.25	9.09	8.94	8.78	8.12	8.90	9.16
Pennsylvania	NA	12.44	11.20	11.23	10.09	8.49	9.21	9.19
Rhode Island	12.49	11.98	11.60	11.55	11.34	9.83	10.98	13.26
South Carolina	12.35	11.40	12.38	13.41	12.92	9.15	10.09	10.96
South Dakota	9.26	9.28	8.30	10.40	11.20	7.34	8.62	7.72
Tennessee	11.16	9.89	8.51	14.43	10.15	7.48	8.35	9.54
Texas	10.70	9.49	8.85	9.08	11.21	7.41	8.05	8.57
Utah	9.59	7.97	8.82	8.44	8.26	6.20	6.29	6.12
Vermont	10.39	9.46	9.26	9.23	9.18	8.13	9.34	8.88
Virginia	15.51	12.15	11.27	12.73	12.15	9.98	10.04	9.87
Washington	10.33	10.09	10.09	9.70	8.22	7.16	7.98	8.20
West Virginia	NA	7.32	NA	7.05	6.97	7.46	7.13	7.61
Wisconsin	NA	9.58	8.73	9.05	12.21	7.55	9.40	8.48
Wyoming	11.79	6.15	13.00	8.91	7.54	6.11	7.85	6.71
Total	**10.94**	**10.16**	**9.87**	**10.34**	**10.05**	**7.76**	**8.56**	**8.58**

See footnotes at end of table.

Table 21

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	October	September	August	July	June	May	April	March
Alabama	12.02	13.33	13.39	13.16	12.16	9.48	9.03	9.16
Alaska	3.52	3.74	3.88	4.20	3.86	3.66	3.45	3.53
Arizona	12.88	13.40	13.80	14.46	12.17	10.96	9.04	8.26
Arkansas	10.37	9.65	10.77	10.86	10.18	13.40	6.50	4.65
California	9.89	8.84	8.75	8.93	8.38	7.78	7.20	7.07
Colorado	7.53	9.36	9.22	8.07	6.92	6.05	5.44	5.23
Connecticut	12.80	13.48	12.96	13.66	13.24	11.15	11.17	10.67
Delaware	12.24	13.83	9.53	9.66	9.41	7.19	8.25	7.96
District of Columbia	14.65	15.19	10.80	10.49	9.31	10.70	10.06	9.74
Florida	15.76	16.14	15.96	15.31	14.55	13.77	12.88	11.60
Georgia	10.38	12.95	10.56	9.09	11.43	6.84	5.91	7.84
Hawaii	23.24	22.96	22.67	22.09	22.20	22.11	20.93	20.37
Idaho	7.58	7.84	8.18	7.22	6.21	5.99	5.73	5.59
Illinois	10.12	10.53	10.81	11.16	9.85	8.58	6.22	5.70
Indiana	8.31	8.57	9.97	9.50	9.02	7.76	6.09	5.88
Iowa	9.91	12.73	13.25	12.04	12.99	12.02	6.86	6.22
Kansas	10.57	10.90	12.20	10.76	9.91	8.13	6.89	6.44
Kentucky	9.34	10.41	10.56	10.12	9.56	8.47	6.71	6.17
Louisiana	12.48	11.03	10.98	10.49	10.59	9.50	6.47	6.23
Maine	11.19	12.46	12.87	12.32	10.98	10.45	8.96	9.30
Maryland	13.23	15.75	15.09	15.87	14.15	11.76	9.21	8.95
Massachusetts	10.83	12.18	12.44	11.20	9.24	9.30	9.78	9.38
Michigan	5.70	6.78	7.29	7.21	6.62	5.56	5.05	4.88
Minnesota	9.12	9.41	9.09	9.61	8.91	7.02	6.09	5.84
Mississippi	10.30	10.66	10.44	10.08	10.33	5.96	7.92	6.97
Missouri	10.73	12.72	12.38	11.65	10.77	8.43	6.98	6.40
Montana	6.36	7.21	9.06	8.21	7.28	6.50	5.72	5.50
Nebraska	9.07	9.83	10.24	9.85	8.46	6.95	5.72	5.38
Nevada	7.47	7.98	8.41	8.11	7.67	7.18	6.79	6.25
New Hampshire	10.99	12.55	12.90	12.49	9.26	8.23	7.94	9.60
New Jersey	6.24	6.54	6.37	9.58	9.20	7.65	7.62	7.62
New Mexico	5.54	6.61	7.96	9.62	4.73	9.25	5.05	6.09
New York	12.15	15.05	14.68	14.81	13.30	11.66	9.82	9.55
North Carolina	12.63	15.24	15.29	14.87	12.59	11.00	8.51	9.11
North Dakota	8.00	8.80	10.32	10.30	7.67	6.75	5.43	5.11
Ohio	9.38	10.57	10.88	9.90	8.86	7.42	6.51	6.41
Oklahoma	10.27	11.33	11.59	10.77	10.22	8.82	6.53	6.13
Oregon	9.40	9.41	10.01	9.38	8.51	8.00	7.24	7.54
Pennsylvania	10.08	10.64	11.88	11.38	10.07	9.05	8.17	7.80
Rhode Island	11.90	12.04	12.05	11.86	10.55	9.20	9.38	8.65
South Carolina	10.34	11.46	11.79	10.54	9.94	8.61	8.43	9.07
South Dakota	9.11	11.03	11.19	10.87	10.19	9.27	6.24	5.97
Tennessee	9.36	10.33	10.88	10.66	9.41	7.66	8.28	6.89
Texas	10.70	11.41	11.31	10.52	10.76	7.40	7.02	6.18
Utah	6.00	5.75	6.76	6.98	6.98	6.81	6.35	5.90
Vermont	8.49	9.93	10.09	9.89	8.89	8.11	7.71	7.45
Virginia	11.96	14.08	14.04	14.02	12.16	9.32	8.15	7.50
Washington	8.72	9.31	8.93	7.86	7.04	6.78	6.55	6.45
West Virginia	8.21	10.11	10.81	10.80	9.55	7.76	7.46	7.19
Wisconsin	8.69	8.51	8.77	9.17	9.52	6.56	7.07	6.46
Wyoming	6.73	6.74	7.69	7.61	6.60	5.69	5.46	5.12
Total	**9.44**	**10.10**	**10.37**	**10.33**	**9.50**	**8.26**	**7.19**	**6.91**

NA Not Available.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				October	September	August	July	June
Alabama	10.49	7.30	6.61	9.02	11.03	11.25	11.31	11.40
Alaska	2.55	2.00	2.19	2.83	2.46	2.15	2.29	2.16
Arizona	7.95	6.54	6.16	8.25	8.23	8.29	8.23	8.02
Arkansas	NA	4.99	5.25	5.97	6.42	6.73	NA	NA
California	9.92	6.99	6.05	4.50	5.36	6.45	7.06	9.31
Colorado	8.07	5.05	4.50	7.80	9.32	9.32	9.13	9.04
Connecticut	NA	6.25	6.33	7.32	NA	7.00	6.87	NA
Delaware	9.55	6.73	6.99	10.23	10.68	11.25	10.98	10.64
District of Columbia	12.69	9.02	7.19	10.08	10.10	10.47	10.97	11.12
Florida	11.10	7.45	6.45	8.07	8.84	9.02	9.32	9.71
Georgia	NA	6.42	3.75	5.90	5.87	6.44	7.28	7.13
Hawaii	17.51	17.11	14.02	17.48	17.30	17.54	17.24	17.17
Idaho	NA	5.14	4.71	9.88	8.49	8.48	8.29	8.25
Illinois	9.49	6.17	5.08	4.84	6.36	7.61	7.37	9.12
Indiana	NA	5.48	5.23	7.36	NA	NA	NA	NA
Iowa	NA	5.93	4.67	4.19	6.21	6.80	NA	7.59
Kansas	9.47	6.23	4.93	7.50	7.85	8.33	8.39	9.61
Kentucky	NA	6.03	4.97	8.99	9.41	9.04	10.21	NA
Louisiana	NA	6.45	5.56	NA	NA	NA	NA	6.57
Maine	10.61	7.32	6.86	5.53	9.16	12.19	13.39	12.71
Maryland	NA	7.86	6.96	6.88	NA	9.16	9.26	10.53
Massachusetts	12.08	8.16	7.59	11.21	10.97	11.03	11.52	11.64
Michigan	5.24	4.81	4.91	5.81	6.36	6.94	7.23	6.79
Minnesota	8.18	5.32	4.35	3.84	4.56	5.32	5.62	6.06
Mississippi	NA	6.09	4.76	4.69	NA	5.70	5.78	6.98
Missouri	10.17	6.27	5.39	10.09	10.67	10.94	10.90	10.85
Montana	6.74	5.76	5.11	6.58	7.84	7.89	8.04	7.72
Nebraska	7.63	4.94	4.06	4.03	4.74	5.26	5.22	6.13
Nevada	8.68	5.55	6.12	8.46	9.01	12.94	8.09	7.91
New Hampshire	11.50	7.95	6.59	9.86	11.66	12.43	12.87	12.03
New Jersey	8.13	5.12	3.83	6.30	6.78	6.74	6.11	6.33
New Mexico	7.04	4.52	3.90	3.91	3.86	5.18	5.55	4.54
New York	8.26	7.13	5.04	7.97	7.94	8.20	8.66	3.96
North Carolina	10.45	7.17	6.03	8.53	8.70	9.35	9.70	9.88
North Dakota	7.74	5.11	4.40	3.85	5.11	5.45	6.36	7.51
Ohio	9.87	6.34	5.50	7.80	8.32	8.42	11.71	11.04
Oklahoma	9.07	5.97	4.90	7.88	8.77	8.09	9.75	9.72
Oregon	4.88	6.43	5.66	2.69	2.37	2.36	2.34	2.62
Pennsylvania	NA	7.42	7.39	9.73	11.55	11.83	12.05	11.44
Rhode Island	NA	8.13	8.05	11.72	11.26	11.77	12.25	NA
South Carolina	10.48	7.22	6.40	8.17	8.67	8.72	9.23	9.04
South Dakota	NA	5.34	4.39	4.02	5.34	5.39	NA	6.90
Tennessee	9.76	6.25	5.48	7.85	8.05	9.02	8.43	9.22
Texas	NA	5.32	4.41	NA	5.15	3.84	6.62	7.30
Utah	6.99	4.68	3.95	5.79	6.93	7.13	7.05	6.90
Vermont	7.84	6.23	5.55	8.65	8.85	8.69	7.04	7.99
Virginia	NA	6.84	5.92	NA	8.77	9.25	10.05	9.95
Washington	NA	5.71	4.87	NA	2.54	2.64	2.63	NA
West Virginia	5.76	6.57	6.45	6.55	6.64	6.75	7.14	6.71
Wisconsin	NA	5.56	4.69	3.62	4.57	6.40	5.56	6.34
Wyoming	8.97	4.70	4.38	8.11	8.85	8.98	9.55	8.67
Total	**8.45**	**6.14**	**5.26**	**5.94**	**6.37**	**6.57**	**7.01**	**6.92**

See footnotes at end of table.

Table 22

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001					2000		
	May	April	March	February	January	Total	December	November
Alabama	11.22	10.68	10.90	11.06	9.46	7.68	8.89	9.40
Alaska	2.36	2.45	2.69	2.75	2.73	2.04	2.30	2.10
Arizona	8.11	7.53	7.57	8.40	7.47	6.69	6.99	7.88
Arkansas	NA	NA	NA	NA	NA	5.41	6.67	5.67
California	10.40	11.17	13.70	13.76	11.91	7.51	10.41	8.76
Colorado	9.00	8.75	8.21	7.94	6.78	5.37	6.23	6.37
Connecticut	6.09	7.78	8.41	9.78	10.05	6.62	8.38	7.14
Delaware	10.81	10.10	7.96	11.18	7.78	6.98	8.16	7.42
District of Columbia	12.32	12.82	12.55	13.98	14.07	9.62	12.71	12.72
Florida	12.19	12.78	14.06	12.98	10.19	7.70	9.19	8.47
Georgia	7.74	NA	9.77	11.36	10.90	7.02	9.67	9.67
Hawaii	17.22	16.78	17.31	18.15	18.91	17.29	18.30	18.11
Idaho	8.21	8.17	7.81	NA	6.55	5.47	6.33	6.60
Illinois	8.86	8.61	9.10	10.85	11.23	6.90	8.63	8.42
Indiana	NA	NA	NA	NA	NA	5.74	6.53	5.89
Iowa	8.47	7.68	7.57	8.69	9.11	6.69	8.93	7.26
Kansas	10.13	8.66	8.83	9.88	10.56	6.80	8.49	8.57
Kentucky	11.23	9.58	9.70	10.26	8.68	6.68	8.26	7.83
Louisiana	7.32	7.58	NA	10.41	12.12	7.41	10.95	10.54
Maine	7.90	13.48	10.67	10.89	—	6.06	1.76	3.10
Maryland	10.97	10.94	9.92	12.29	10.99	8.08	8.59	8.82
Massachusetts	12.59	12.54	13.99	12.33	10.51	8.61	10.53	9.63
Michigan	6.60	5.08	4.85	4.80	4.83	4.79	4.68	4.84
Minnesota	7.43	7.74	7.77	9.43	11.44	5.99	8.13	6.83
Mississippi	8.19	8.80	7.92	8.32	11.65	6.48	8.05	7.09
Missouri	10.20	10.46	10.77	10.62	9.05	6.91	9.00	8.41
Montana	7.87	7.52	9.50	5.01	6.82	5.90	6.27	6.22
Nebraska	6.92	7.22	7.79	9.86	8.41	5.48	7.41	6.59
Nevada	7.81	7.79	7.62	7.65	9.88	5.54	5.50	5.50
New Hampshire	9.76	11.34	12.22	11.73	11.18	8.52	10.78	10.37
New Jersey	7.05	7.05	7.18	9.69	9.68	5.92	9.43	7.39
New Mexico	7.70	9.45	8.87	7.85	6.93	4.90	6.26	5.30
New York	5.22	8.45	9.04	11.07	9.63	7.76	12.11	8.73
North Carolina	9.88	10.30	11.48	11.71	10.43	7.61	8.75	9.39
North Dakota	7.49	7.38	7.27	8.59	10.12	5.80	7.67	6.99
Ohio	11.26	10.58	10.44	10.74	8.86	7.01	8.79	8.70
Oklahoma	8.32	8.40	8.94	9.77	9.19	6.37	7.61	7.67
Oregon	7.51	7.70	7.69	7.59	7.52	6.48	6.63	6.64
Pennsylvania	12.14	12.07	NA	NA	NA	7.72	8.67	8.27
Rhode Island	10.82	10.44	10.36	10.42	10.35	8.54	10.32	9.97
South Carolina	9.65	10.11	10.64	12.03	12.35	7.72	9.62	9.27
South Dakota	7.20	7.66	7.20	9.25	10.81	6.05	7.96	6.96
Tennessee	9.04	8.80	8.88	12.47	9.89	6.82	8.65	8.48
Texas	9.56	7.29	8.36	9.55	10.67	5.74	7.36	7.15
Utah	6.87	6.54	7.28	7.23	7.19	4.93	5.46	5.44
Vermont	7.73	7.76	7.69	7.70	7.72	6.49	7.72	7.20
Virginia	9.47	NA	9.34	10.99	10.85	7.57	9.82	9.05
Washington	9.04	9.04	9.05	8.72	7.33	6.01	7.09	7.11
West Virginia	6.58	6.38	6.61	6.60	2.97	6.58	6.53	6.71
Wisconsin	NA	8.31	7.87	8.30	11.11	6.32	8.34	7.32
Wyoming	11.04	11.72	10.00	8.00	6.96	5.27	7.48	6.17
Total	**8.49**	**8.82**	**8.99**	**9.68**	**9.34**	**6.59**	**8.20**	**7.57**

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	October	September	August	July	June	May	April	March
Alabama	8.85	8.63	8.53	8.63	8.14	7.04	7.01	7.31
Alaska	1.96	1.91	1.85	1.75	2.01	1.88	1.95	2.12
Arizona	6.83	6.72	6.55	6.93	6.35	6.37	6.09	6.02
Arkansas	8.56	5.86	5.66	6.32	5.33	7.71	5.19	3.24
California	8.52	7.96	7.29	7.57	6.69	7.04	6.29	6.68
Colorado	5.93	6.13	6.08	5.52	5.14	5.02	4.87	4.74
Connecticut	5.96	4.51	3.97	5.03	6.21	5.30	7.07	6.32
Delaware	7.92	18.75	7.56	7.33	6.94	6.90	6.63	6.45
District of Columbia	11.58	10.93	9.01	7.86	7.92	8.49	8.90	9.11
Florida	8.11	8.28	8.25	8.01	7.68	7.39	7.14	7.02
Georgia	9.64	8.59	8.59	8.22	8.23	2.45	6.89	6.82
Hawaii	18.15	17.96	17.48	17.41	17.66	17.59	16.71	16.09
Idaho	6.58	6.36	6.24	5.65	5.02	5.04	5.05	4.79
Illinois	9.50	9.06	9.29	9.92	10.33	7.59	5.89	5.38
Indiana	6.80	6.13	7.00	6.84	6.30	6.40	5.18	5.26
Iowa	7.76	8.80	8.36	7.84	9.05	9.70	5.54	5.23
Kansas	8.69	7.50	8.17	7.95	7.36	6.55	5.94	5.86
Kentucky	8.43	7.82	8.36	6.98	6.79	6.37	5.69	5.52
Louisiana	10.11	8.01	7.84	7.34	8.07	6.45	5.24	5.20
Maine	5.00	9.58	9.95	9.06	8.08	7.90	7.30	7.72
Maryland	10.92	10.64	10.07	9.26	8.82	7.35	8.25	7.42
Massachusetts	9.03	6.70	8.83	8.02	6.84	7.89	8.35	8.99
Michigan	5.23	5.54	5.81	5.93	5.46	4.93	4.74	4.63
Minnesota	7.27	6.64	5.88	6.63	6.30	5.19	4.98	4.92
Mississippi	7.74	6.88	6.53	6.73	8.96	5.65	5.91	5.65
Missouri	8.35	8.29	8.23	7.19	6.88	6.26	6.11	5.56
Montana	6.25	6.74	7.82	7.09	6.97	6.21	5.61	5.39
Nebraska	7.44	6.16	5.70	5.95	5.56	4.73	4.64	4.65
Nevada	5.72	5.82	5.87	5.81	5.67	5.66	5.51	5.40
New Hampshire	8.75	9.08	8.87	9.16	7.53	7.04	6.84	8.29
New Jersey	7.35	7.70	1.94	3.13	6.51	2.55	6.44	5.60
New Mexico	4.27	4.69	5.64	5.07	3.66	4.78	7.77	4.20
New York	6.59	5.72	4.94	4.80	5.48	6.72	7.88	6.65
North Carolina	8.83	7.93	8.84	7.81	7.11	6.70	6.26	7.46
North Dakota	7.31	6.77	7.49	7.45	5.70	5.35	4.69	4.56
Ohio	8.36	8.63	8.94	8.02	7.33	6.60	5.84	5.86
Oklahoma	7.75	7.23	7.19	7.09	6.80	6.15	5.38	5.56
Oregon	6.13	5.57	5.62	5.70	5.42	5.34	5.32	5.34
Pennsylvania	8.67	7.55	8.99	8.43	7.92	7.86	7.50	7.32
Rhode Island	10.72	10.49	9.65	9.59	8.94	8.36	8.19	7.91
South Carolina	8.19	7.85	7.75	7.00	6.88	6.45	6.85	7.38
South Dakota	7.22	7.76	7.69	7.00	7.18	6.97	4.77	4.64
Tennessee	8.16	7.23	7.78	7.89	6.49	6.10	7.48	6.48
Texas	7.39	6.22	5.95	5.85	6.10	4.78	5.02	4.54
Utah	5.14	4.63	4.73	4.42	4.42	4.39	4.26	4.65
Vermont	6.28	6.45	6.35	6.44	6.38	6.20	6.17	6.17
Virginia	9.03	8.69	7.99	8.53	7.53	6.41	6.32	6.19
Washington	7.11	7.07	6.18	5.59	5.38	5.35	5.32	5.41
West Virginia	6.78	7.24	7.28	7.26	7.35	6.68	6.44	6.52
Wisconsin	7.16	6.73	6.28	6.71	6.52	5.06	5.91	5.36
Wyoming	5.84	5.25	5.64	5.34	5.06	4.76	4.85	3.81
Total	**7.49**	**6.93**	**6.09**	**6.56**	**6.49**	**5.98**	**6.04**	**5.78**

NA Not Available.
— Not Applicable.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				October	September	August	July	June
Alabama	6.52	4.36	3.36	4.25	4.48	5.15	5.42	5.62
Alaska	NA	1.43	1.22	1.82	1.76	NA	1.53	1.49
Arizona	5.77	4.28	3.40	4.96	5.09	5.73	4.60	5.58
Arkansas	NA	5.07	3.38	4.59	5.47	5.40	4.28	NA
California	8.42	4.90	3.23	3.85	4.50	5.52	6.07	8.32
Colorado	4.24	3.37	2.79	2.76	4.05	4.44	4.48	4.12
Connecticut	6.84	5.46	4.01	4.50	5.05	4.48	3.03	6.10
Delaware	7.06	4.82	4.00	6.21	6.31	6.56	6.67	6.91
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.39	5.67	3.58	5.53	5.89	5.85	6.79	6.41
Georgia	NA	4.60	3.26	3.09	3.94	4.59	5.03	5.31
Hawaii	11.19	9.84	8.20	11.18	10.62	10.89	11.07	11.17
Idaho	6.26	3.79	3.25	7.26	8.17	6.90	6.66	6.37
Illinois	5.82	4.99	3.91	3.70	4.35	4.79	2.03	3.90
Indiana	NA	4.87	4.19	4.05	NA	8.79	NA	8.72
Iowa	NA	4.84	3.75	3.83	5.09	5.39	NA	8.02
Kansas	5.01	3.92	2.85	3.18	4.12	4.49	4.77	5.15
Kentucky	NA	4.32	3.18	4.74	NA	5.06	5.53	5.85
Louisiana	5.77	3.68	2.40	3.36	4.08	4.15	4.54	5.03
Maine	8.63	3.91	4.94	5.75	8.25	6.65	8.06	7.98
Maryland	NA	7.66	5.60	8.63	NA	5.75	NA	10.20
Massachusetts	10.39	6.95	5.09	6.99	9.95	9.47	8.94	9.06
Michigan	4.59	3.80	3.85	5.02	5.05	5.11	5.19	5.63
Minnesota	5.42	4.04	2.92	2.51	3.71	3.74	3.81	4.32
Mississippi	6.06	4.33	3.16	3.82	3.97	4.36	4.81	4.58
Missouri	8.61	4.96	4.19	7.58	7.48	8.01	7.94	8.37
Montana	5.43	7.09	3.49	5.94	6.72	6.72	6.22	6.05
Nebraska	6.04	4.36	3.30	3.31	3.84	4.41	4.28	4.76
Nevada	NA	4.84	4.71	9.11	NA	NA	6.93	7.41
New Hampshire	9.02	5.69	4.09	3.71	4.59	5.80	8.22	9.55
New Jersey	6.19	4.73	3.30	3.14	3.92	4.84	4.87	5.36
New Mexico	6.20	4.22	2.75	2.96	3.31	4.52	4.27	4.23
New York	NA	5.47	3.77	5.49	NA	5.46	6.04	5.73
North Carolina	NA	4.99	3.58	NA	5.82	5.24	5.48	5.25
North Dakota	5.68	3.76	2.70	2.51	3.11	3.82	3.68	4.50
Ohio	9.13	4.72	3.87	7.53	8.90	6.94	7.92	11.26
Oklahoma	8.04	4.91	3.42	7.33	6.59	6.82	9.11	8.18
Oregon	NA	4.72	3.96	6.63	5.64	NA	5.46	5.59
Pennsylvania	7.54	4.79	3.94	4.97	6.14	5.81	6.23	6.89
Rhode Island	NA	4.95	4.25	NA	NA	5.89	5.22	5.70
South Carolina	5.75	4.69	3.28	3.35	3.86	4.33	4.50	5.11
South Dakota	6.55	3.80	3.26	4.26	5.01	5.09	5.19	5.84
Tennessee	7.10	4.84	3.59	4.89	5.63	5.60	5.80	6.44
Texas	4.04	3.66	2.50	2.41	2.56	3.28	3.33	3.91
Utah	5.35	3.61	2.89	4.26	4.93	4.99	4.89	4.42
Vermont	5.30	2.84	2.90	4.41	4.36	4.39	4.71	4.87
Virginia	NA	4.86	3.64	NA	5.51	4.10	5.01	4.89
Washington	NA	3.63	2.70	NA	NA	7.24	NA	6.58
West Virginia	NA	4.38	2.97	2.78	3.54	3.70	3.87	NA
Wisconsin	NA	4.79	3.92	3.30	4.04	4.59	4.55	NA
Wyoming	7.45	3.92	3.30	7.76	7.82	8.01	8.06	7.52
Total	**5.16**	**4.10**	**3.04**	**3.07**	**3.26**	**3.80**	**3.88**	**4.75**

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001					2000		
	May	April	March	February	January	Total	December	November
Alabama	6.67	7.16	6.75	8.73	9.81	4.67	6.64	5.18
Alaska	1.52	1.51	1.55	1.55	1.56	1.51	2.24	1.54
Arizona	5.78	5.93	5.97	6.74	8.07	4.40	5.97	3.93
Arkansas	4.39	4.20	4.44	NA	5.30	5.23	5.15	6.89
California	8.86	11.74	11.68	11.11	8.95	5.30	7.63	6.66
Colorado	4.07	4.02	3.98	4.91	5.15	3.49	4.03	4.06
Connecticut	7.02	8.05	8.18	11.55	9.87	5.96	9.11	7.28
Delaware	8.22	7.38	11.56	4.62	7.39	5.03	6.60	5.37
District of Columbia	—	—	—	—	—	—	—	—
Florida	8.02	8.40	8.16	7.85	8.13	5.82	7.08	6.57
Georgia	6.06	NA	7.80	9.75	10.30	4.83	6.27	5.69
Hawaii	11.23	11.08	11.04	11.84	11.65	10.17	11.93	11.80
Idaho	6.59	6.89	6.35	5.56	4.87	4.02	5.54	4.82
Illinois	2.71	5.17	7.02	9.57	10.59	5.81	8.23	7.67
Indiana	9.74	9.41	12.41	8.09	8.85	5.00	5.25	5.38
Iowa	6.30	7.87	9.41	8.36	9.46	5.49	7.88	6.18
Kansas	6.04	7.03	7.49	10.27	8.66	4.01	6.59	5.34
Kentucky	6.26	7.23	7.76	8.16	8.35	4.82	7.47	6.44
Louisiana	5.36	5.83	5.88	6.54	10.13	4.02	6.30	4.75
Maine	8.00	9.16	9.43	10.22	9.22	4.10	5.77	5.10
Maryland	10.66	11.71	13.58	21.16	17.19	7.86	9.27	8.36
Massachusetts	10.33	12.69	13.84	9.71	9.44	7.47	9.61	8.75
Michigan	5.62	4.30	4.36	4.30	4.25	3.87	3.96	4.40
Minnesota	5.57	6.24	6.02	6.78	11.91	4.45	6.65	5.27
Mississippi	6.05	6.08	6.44	6.95	11.40	4.66	6.89	5.40
Missouri	8.57	9.09	9.76	10.22	7.63	5.71	8.75	7.25
Montana	5.08	4.91	5.01	6.10	4.75	7.43	8.27	8.39
Nebraska	5.36	6.77	7.16	8.59	7.53	4.74	6.79	5.68
Nevada	7.39	6.86	7.32	7.27	5.46	5.11	6.10	6.26
New Hampshire	8.00	10.92	12.66	11.42	11.24	6.18	10.28	9.48
New Jersey	6.55	5.96	6.55	9.50	9.96	5.15	7.06	8.18
New Mexico	6.52	8.04	6.95	7.37	3.72	4.39	5.56	5.12
New York	6.79	7.98	8.66	10.27	14.24	6.13	11.94	6.59
North Carolina	5.87	6.80	6.40	12.01	9.84	5.31	6.21	10.70
North Dakota	5.47	5.83	5.81	7.08	9.82	4.18	6.15	4.97
Ohio	7.57	10.19	10.29	11.06	7.83	5.12	6.37	5.89
Oklahoma	7.97	7.90	7.89	7.90	8.85	5.30	6.87	6.68
Oregon	5.79	5.80	5.86	5.93	6.21	4.93	6.01	5.65
Pennsylvania	7.42	8.59	9.19	7.43	8.99	5.03	5.88	6.04
Rhode Island	7.11	7.24	7.40	7.99	9.03	5.38	9.16	6.93
South Carolina	6.30	6.61	6.64	7.97	10.41	4.93	7.10	5.66
South Dakota	5.89	5.66	6.42	8.75	7.91	4.38	6.61	5.19
Tennessee	6.81	7.04	7.40	10.26	8.58	5.08	6.94	5.42
Texas	4.79	5.37	5.34	6.31	9.14	4.10	6.76	4.80
Utah	5.14	5.52	5.88	6.18	6.58	3.93	5.79	4.93
Vermont	4.93	4.71	5.44	6.38	8.41	2.99	3.80	3.67
Virginia	5.61	6.14	6.51	9.60	10.11	5.23	7.59	6.63
Washington	5.25	5.73	3.76	6.71	7.42	4.04	7.96	5.06
West Virginia	NA	6.36	NA	6.69	8.68	4.46	4.85	4.52
Wisconsin	NA	7.75	7.04	7.61	11.36	5.45	7.68	6.44
Wyoming	7.92	7.65	7.39	6.77	6.77	4.07	5.00	4.70
Total	**5.41**	**6.13**	**6.35**	**7.28**	**8.68**	**4.48**	**6.67**	**5.39**

See footnotes at end of table.

Table 23

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	October	September	August	July	June	May	April	March
Alabama	5.66	5.20	4.68	4.93	4.87	3.81	3.73	3.92
Alaska	1.49	1.52	1.53	1.48	1.44	1.34	1.43	1.37
Arizona	5.14	5.03	4.15	4.54	4.35	3.86	3.96	3.41
Arkansas	4.71	7.29	6.55	6.42	6.10	4.55	4.47	4.52
California	6.83	6.21	5.10	5.23	4.56	4.62	4.44	4.40
Colorado	3.91	3.62	3.70	3.81	3.62	3.17	3.14	2.96
Connecticut	6.88	5.26	5.54	5.51	4.79	5.05	4.87	5.45
Delaware	4.74	7.00	5.79	7.18	5.14	4.90	5.05	3.98
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.70	6.72	6.26	6.05	6.24	5.68	4.63	5.21
Georgia	5.80	5.13	4.64	4.89	4.73	4.16	4.15	3.93
Hawaii	11.16	10.77	11.21	10.21	10.20	10.13	9.57	8.53
Idaho	4.73	4.10	4.01	4.53	3.47	3.49	3.58	3.47
Illinois	7.56	6.39	6.05	6.55	5.20	4.77	4.30	5.04
Indiana	6.05	4.12	5.05	4.56	4.08	5.43	4.94	4.98
Iowa	6.43	6.13	5.41	5.33	3.62	6.29	4.36	4.35
Kansas	5.16	3.74	3.97	4.10	3.81	3.32	3.85	3.56
Kentucky	6.02	5.76	5.22	4.65	4.28	3.91	3.65	3.50
Louisiana	5.31	4.75	3.99	4.42	4.37	3.14	2.98	2.74
Maine	4.32	4.27	4.16	4.13	4.17	4.46	3.69	3.95
Maryland	8.93	8.50	8.95	7.41	7.45	6.82	6.74	7.22
Massachusetts	8.24	7.79	8.13	6.76	5.43	6.38	6.96	6.84
Michigan	4.33	4.27	4.05	4.12	4.29	3.83	3.75	3.79
Minnesota	5.79	5.03	4.21	4.94	4.68	3.50	3.43	3.26
Mississippi	6.19	5.28	4.59	4.98	4.74	3.66	3.73	3.50
Missouri	6.05	4.31	6.21	5.43	5.00	4.86	4.85	4.53
Montana	8.89	10.59	11.02	9.85	6.49	7.68	0.52	7.30
Nebraska	5.07	5.44	5.14	5.24	4.85	3.83	3.78	3.89
Nevada	7.78	6.54	4.62	5.43	3.95	4.39	3.66	4.68
New Hampshire	7.24	6.34	5.55	6.06	5.61	4.49	5.45	4.05
New Jersey	7.28	5.67	5.76	5.56	4.83	4.19	4.05	3.78
New Mexico	4.81	5.26	5.42	5.07	2.83	3.57	2.40	2.90
New York	6.41	5.37	5.73	4.74	4.85	5.42	5.09	4.46
North Carolina	5.94	5.26	8.81	5.23	3.99	3.64	4.30	4.83
North Dakota	5.72	4.93	4.35	4.65	4.57	5.20	3.13	3.00
Ohio	6.11	6.05	6.62	5.72	4.14	4.82	3.91	4.37
Oklahoma	5.82	5.96	5.72	5.26	5.57	4.03	4.49	4.50
Oregon	5.52	4.32	5.43	4.37	4.30	8.08	4.32	4.41
Pennsylvania	5.58	4.85	4.81	4.43	4.41	4.54	4.40	4.67
Rhode Island	6.83	12.20	5.77	7.04	6.26	4.91	5.23	5.78
South Carolina	6.17	5.67	4.85	5.18	5.19	4.13	4.05	3.99
South Dakota	5.30	4.61	3.53	4.27	4.05	3.85	3.41	3.54
Tennessee	5.27	5.36	5.15	5.50	4.66	4.31	4.80	4.49
Texas	5.17	4.71	4.01	4.40	4.10	3.15	2.94	2.65
Utah	4.73	4.09	4.04	3.16	3.15	3.30	2.81	3.59
Vermont	3.19	3.22	2.93	2.84	2.91	2.56	2.56	2.58
Virginia	5.18	4.85	5.10	4.84	4.06	4.15	4.77	4.73
Washington	3.78	3.31	2.72	2.77	3.01	4.03	3.96	3.98
West Virginia	6.09	4.76	4.08	4.38	4.26	2.06	4.82	3.97
Wisconsin	6.39	5.88	5.12	5.67	5.38	3.91	4.59	4.26
Wyoming	6.01	3.58	6.55	3.52	3.79	3.57	3.40	3.32
Total	**5.45**	**4.88**	**4.33**	**4.55**	**4.24**	**3.67**	**3.59**	**3.54**

NA Not Available.
— Not Applicable.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				September	August	July	June	May
Alabama	4.92	4.43	2.74	3.88	3.37	3.55	5.21	5.08
Alaska	2.28	1.70	1.61	2.45	2.46	2.44	2.32	2.27
Arizona	4.97	4.24	2.60	2.88	3.64	3.55	3.94	4.46
Arkansas	4.74	3.97	2.59	2.67	3.24	3.53	4.16	5.24
California	9.56	4.44	2.71	5.01	5.98	8.55	8.26	10.64
Colorado	4.20	3.52	2.63	2.87	2.82	2.78	3.36	4.13
Connecticut	—	—	2.62	—	—	—	—	—
Delaware	4.73	4.82	2.83	—	4.00	4.16	4.76	—
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.41	4.23	3.05	3.68	4.38	4.53	4.81	5.93
Georgia	3.68	4.22	2.52	2.45	3.26	3.13	3.82	5.21
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	4.66	4.43	2.38	4.35	3.76	4.81	5.23	4.44
Indiana	5.51	4.63	2.91	3.78	4.07	4.56	4.67	5.85
Iowa	4.65	4.29	3.04	3.13	3.57	3.97	4.81	6.49
Kansas	3.81	3.94	2.34	2.37	3.23	3.26	3.89	4.51
Kentucky	4.57	5.31	3.15	2.85	3.75	3.80	4.45	8.53
Louisiana	4.63	4.03	2.53	2.44	3.22	3.40	4.06	5.03
Maine	—	—	—	—	—	—	—	—
Maryland	—	4.61	3.06	—	—	—	—	—
Massachusetts	3.95	4.31	2.67	2.81	3.57	3.43	4.41	5.04
Michigan	3.62	2.74	1.56	2.60	3.13	3.83	4.52	5.08
Minnesota	4.82	4.13	2.49	3.86	4.15	4.19	4.80	4.66
Mississippi	4.15	3.72	2.43	2.64	3.54	3.59	4.07	4.77
Missouri	5.06	4.28	2.62	4.62	5.01	4.80	4.68	4.37
Montana	7.23	4.82	4.30	5.34	6.26	7.66	7.94	7.66
Nebraska	4.73	4.49	2.70	3.78	3.82	3.83	3.55	3.78
Nevada	8.77	3.89	2.44	13.58	9.42	9.88	7.06	7.04
New Hampshire	2.57	3.27	2.87	2.47	3.54	—	—	—
New Jersey	—	4.38	3.05	—	—	—	—	—
New Mexico	4.53	3.59	2.27	2.80	3.21	3.40	3.92	4.94
New York	5.41	4.34	2.76	2.88	3.72	3.54	9.26	5.31
North Carolina	4.82	4.43	2.83	3.80	4.63	4.69	5.34	6.06
North Dakota	5.92	—	—	4.49	—	—	—	6.28
Ohio	8.45	4.61	2.99	9.74	6.51	8.52	9.49	9.45
Oklahoma	4.67	4.12	2.69	2.73	3.49	3.59	4.14	5.41
Oregon	3.88	2.59	1.84	3.20	3.25	3.32	3.59	3.72
Pennsylvania	7.85	3.51	3.01	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	6.24	5.56	3.63	5.68	5.84	6.63	6.28	5.84
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	4.56	3.81	2.45	2.70	3.46	3.49	4.04	4.79
Utah	4.65	3.44	2.47	3.96	3.64	3.69	4.11	3.93
Vermont	4.90	4.49	3.23	—	—	—	4.67	4.63
Virginia	4.49	4.43	3.09	3.06	4.05	4.15	5.00	7.54
Washington	—	—	—	—	—	—	—	—
West Virginia	6.26	4.53	3.00	4.07	4.25	4.81	7.87	9.37
Wisconsin	4.96	4.12	2.89	3.33	4.08	3.66	4.65	5.66
Wyoming	4.08	4.90	4.20	—	3.03	3.48	2.66	3.71
Total	**4.88**	**3.89**	**2.57**	**3.15**	**3.72**	**3.83**	**4.51**	**5.14**

See footnotes at end of table.

Table 24

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001				2000			
	April	March	February	January	Total	December	November	October
Alabama	5.88	6.26	6.05	9.75	4.52	1.18	9.80	6.70
Alaska	2.32	2.13	2.13	2.12	1.77	1.96	1.98	1.97
Arizona	5.35	5.69	6.76	9.53	4.86	8.65	6.07	5.49
Arkansas	6.68	5.49	6.31	8.88	4.46	10.81	6.37	5.31
California	10.04	10.33	14.57	12.35	5.88	19.91	7.68	6.19
Colorado	5.06	5.26	6.13	7.11	4.12	7.93	4.97	4.00
Connecticut	—	—	—	—	—	—	—	—
Delaware	7.55	6.94	7.43	10.46	4.92	11.14	8.39	7.84
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.35	5.59	8.91	10.87	4.50	6.63	5.57	6.24
Georgia	5.93	8.07	6.90	7.23	4.31	10.85	8.94	8.81
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	6.18	5.57	6.44	9.49	4.84	10.60	6.57	6.50
Indiana	6.05	6.80	7.98	7.71	4.56	7.71	5.80	6.61
Iowa	6.35	6.23	7.11	5.31	4.56	7.04	5.54	5.98
Kansas	5.33	5.78	6.06	9.10	4.18	8.79	5.74	5.12
Kentucky	—	7.18	8.24	10.32	5.08	7.22	5.81	6.26
Louisiana	5.82	5.65	6.88	10.07	4.55	8.97	5.64	5.62
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	4.62	—	—	—
Massachusetts	7.08	7.14	7.46	13.46	4.60	8.93	5.56	5.94
Michigan	5.03	5.32	5.11	1.33	2.77	2.81	3.16	1.88
Minnesota	5.74	5.31	7.83	11.79	4.54	6.52	5.62	5.73
Mississippi	5.52	5.37	6.38	10.26	4.01	9.29	5.76	5.44
Missouri	5.82	4.89	6.09	12.36	4.42	5.00	6.33	5.40
Montana	7.25	8.32	9.73	10.88	5.81	7.31	13.52	7.46
Nebraska	6.88	5.80	9.75	23.69	4.60	3.62	5.99	5.51
Nevada	6.24	7.60	9.05	10.52	4.86	11.56	7.48	4.87
New Hampshire	—	—	—	—	3.37	—	—	—
New Jersey	—	—	—	—	4.42	—	—	—
New Mexico	5.45	6.07	6.06	7.87	3.94	7.35	5.14	4.82
New York	6.12	6.32	8.12	17.03	4.68	10.22	5.65	6.07
North Carolina	7.81	—	—	—	4.43	8.79	7.57	5.60
North Dakota	—	6.52	—	—	—	—	—	—
Ohio	9.22	9.50	9.51	7.47	4.97	6.39	5.81	5.89
Oklahoma	6.07	6.42	6.23	10.20	4.54	7.76	5.29	5.83
Oregon	4.12	4.32	4.16	5.41	2.94	4.74	3.78	2.71
Pennsylvania	—	5.53	7.29	11.04	3.83	6.67	6.02	5.77
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	6.49	6.89	7.24	10.98	5.72	9.82	7.02	6.55
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	5.48	5.38	6.09	9.01	4.24	7.95	5.23	5.34
Utah	4.32	4.78	6.30	6.92	4.02	6.15	5.23	4.66
Vermont	5.84	5.84	7.69	—	4.91	7.05	6.54	5.60
Virginia	10.08	22.19	34.18	4.00	4.66	2.12	9.11	7.65
Washington	—	—	—	—	—	—	—	—
West Virginia	6.80	8.45	10.14	8.10	4.98	5.73	6.03	6.15
Wisconsin	6.07	5.88	6.57	8.65	4.48	7.23	5.43	5.92
Wyoming	4.06	5.06	4.91	5.00	3.92	4.22	3.47	1.09
Total	**5.70**	**5.69**	**6.85**	**9.47**	**4.38**	**8.23**	**5.37**	**5.17**

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	September	August	July	June	May	April	March	February
Alabama	4.84	4.02	4.47	5.00	4.75	3.45	1.41	2.94
Alaska	1.82	1.77	1.75	1.63	1.74	1.75	1.63	1.64
Arizona	4.93	4.45	4.70	4.75	3.77	3.40	3.01	2.94
Arkansas	5.24	4.43	4.69	4.72	3.79	3.20	2.99	2.86
California	6.01	4.85	4.68	4.87	4.19	3.54	3.38	3.23
Colorado	3.73	3.94	4.06	3.96	3.48	3.08	2.86	2.78
Connecticut	—	—	—	—	—	—	—	—
Delaware	6.53	5.30	6.05	5.10	4.20	5.87	5.86	5.86
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.54	4.73	5.10	5.15	3.89	3.68	3.36	3.33
Georgia	5.32	4.02	4.21	4.19	3.93	3.89	3.41	11.20
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	6.30	4.38	4.74	5.11	3.64	3.57	3.11	3.14
Indiana	5.97	4.38	4.43	5.80	4.42	4.19	3.52	3.33
Iowa	5.43	4.57	4.61	5.25	3.81	3.43	3.26	3.19
Kansas	4.91	4.41	3.99	3.87	3.54	3.15	2.92	2.69
Kentucky	5.28	4.73	5.09	6.06	7.17	5.83	4.93	3.59
Louisiana	5.19	4.47	4.64	4.75	3.62	3.22	2.97	2.96
Maine	—	—	—	—	—	—	—	—
Maryland	5.90	5.17	4.69	4.95	4.16	3.69	3.35	3.72
Massachusetts	5.58	5.07	4.74	4.97	3.97	3.67	3.40	3.42
Michigan	1.85	3.26	3.13	3.17	2.85	3.16	3.19	2.06
Minnesota	3.82	4.70	4.76	4.28	3.54	3.27	3.13	3.56
Mississippi	5.10	4.31	3.74	4.44	3.76	3.17	2.84	2.94
Missouri	5.29	4.73	4.45	4.51	3.77	3.23	2.99	2.85
Montana	4.54	5.26	5.35	4.94	3.37	3.53	3.88	3.71
Nebraska	5.62	4.43	4.78	4.33	4.07	3.53	3.31	3.24
Nevada	5.07	4.56	4.13	4.19	3.56	3.03	2.90	2.69
New Hampshire	—	—	—	—	3.70	3.47	3.19	3.18
New Jersey	5.42	—	5.19	4.77	3.79	3.77	3.51	4.15
New Mexico	4.58	4.35	4.38	4.27	3.35	2.99	2.66	2.58
New York	5.65	4.72	4.70	4.82	3.97	3.55	3.47	4.20
North Carolina	5.54	4.90	4.28	4.27	3.70	3.82	4.28	4.35
North Dakota	—	—	—	—	—	—	—	—
Ohio	6.39	5.97	5.35	3.39	5.49	1.25	4.03	4.60
Oklahoma	5.10	4.39	4.54	4.67	3.73	3.30	3.20	3.44
Oregon	2.67	2.40	2.81	3.35	2.75	2.50	2.27	2.20
Pennsylvania	—	—	3.18	5.09	3.42	3.28	3.07	3.35
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	6.34	6.26	5.42	5.36	5.03	4.39	4.07	7.47
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	4.81	4.32	4.34	4.40	3.50	3.06	2.83	2.73
Utah	3.57	3.60	3.58	3.79	3.45	3.13	2.96	2.83
Vermont	5.56	4.70	4.40	4.66	3.83	3.56	3.32	3.33
Virginia	7.53	5.31	5.06	5.48	4.09	4.00	3.21	4.01
Washington	—	—	—	—	—	—	—	—
West Virginia	4.87	5.52	5.84	4.19	3.75	4.19	4.10	3.07
Wisconsin	5.29	4.77	4.94	4.86	3.80	3.49	3.23	3.16
Wyoming	8.55	4.61	3.42	4.27	3.72	3.31	2.94	2.70
Total	**4.85**	**4.27**	**4.35**	**4.45**	**3.63**	**3.23**	**3.00**	**2.96**

[a] Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

— Not Applicable.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001

State	YTD 2001		YTD 2000		YTD 1999		2001	
							October	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	79.0	13.2	81.5	21.7	72.0	22.0	72.1	12.2
Alaska	66.7	NA	59.2	99.8	53.4	99.5	62.1	94.9
Arizona	92.6	54.1	82.9	37.3	82.9	35.0	94.5	63.0
Arkansas	NA	NA	87.8	7.5	89.2	9.4	47.3	4.2
California	62.2	3.0	56.4	5.0	56.9	9.0	64.0	5.2
Colorado	99.9	8.3	97.9	12.2	97.3	14.5	100.0	0.3
Connecticut	NA	56.7	78.5	44.9	63.2	57.2	71.2	75.6
Delaware	98.6	16.6	98.1	7.7	98.9	17.5	98.4	12.1
District of Columbia	26.2	—	36.7	—	45.7	—	21.4	—
Florida	52.1	2.3	67.9	4.5	94.8	5.4	40.7	1.9
Georgia	NA	NA	19.7	18.9	76.3	23.1	7.4	5.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	81.4	2.2	86.4	2.7	86.3	2.7	69.3	1.6
Illinois	39.5	11.4	41.0	7.8	43.1	9.0	36.0	8.0
Indiana	NA	NA	76.4	8.5	78.3	5.5	68.9	7.4
Iowa	NA	NA	80.0	6.2	83.3	7.3	71.7	6.9
Kansas	62.2	8.2	59.4	11.6	68.5	10.6	48.0	6.4
Kentucky	81.0	NA	85.7	18.9	87.8	17.4	73.5	16.5
Louisiana	NA	6.6	96.7	11.0	94.1	8.3	NA	5.9
Maine	100.0	55.0	100.0	52.4	100.0	78.5	100.0	32.9
Maryland	NA	NA	36.7	5.4	33.0	5.5	37.6	3.5
Massachusetts	58.2	15.0	62.4	12.8	57.2	17.8	42.1	18.0
Michigan	62.7	8.7	56.6	7.2	56.0	8.6	57.2	7.0
Minnesota	98.6	42.0	97.0	38.8	97.4	39.2	98.5	54.2
Mississippi	NA	25.5	95.5	26.7	96.1	26.5	95.8	20.4
Missouri	81.5	13.5	79.8	16.4	78.8	18.4	67.9	9.3
Montana	76.2	2.1	71.1	1.8	78.6	1.5	75.0	1.2
Nebraska	62.5	17.2	61.2	12.9	65.9	13.5	69.3	17.7
Nevada	70.9	5.1	51.9	4.4	60.8	7.7	82.9	39.3
New Hampshire	85.6	27.8	87.7	35.8	93.5	23.3	51.6	32.2
New Jersey	43.5	22.0	56.5	44.7	55.5	46.5	40.4	19.0
New Mexico	63.2	18.0	57.9	19.1	61.1	15.6	61.4	9.7
New York	50.6	NA	35.7	3.4	57.4	4.0	30.3	10.3
North Carolina	94.4	29.0	97.3	55.7	93.8	48.9	84.8	14.3
North Dakota	89.5	9.0	88.0	14.8	87.8	13.9	89.2	12.2
Ohio	40.9	3.3	44.4	4.9	46.7	4.0	36.7	2.3
Oklahoma	58.2	3.4	69.8	3.7	71.8	3.8	39.0	2.1
Oregon	98.8	NA	98.8	12.3	98.8	14.0	100.0	13.1
Pennsylvania	NA	8.9	59.1	11.1	57.0	11.3	55.4	7.3
Rhode Island	59.3	NA	53.6	6.1	53.9	4.2	38.6	NA
South Carolina	92.1	79.8	99.0	87.0	97.0	85.9	92.1	76.2
South Dakota	NA	23.9	81.3	27.1	80.9	36.5	80.2	29.4
Tennessee	92.1	19.8	92.1	38.8	87.8	35.3	85.5	15.5
Texas	NA	32.7	76.5	29.0	77.0	22.8	NA	45.1
Utah	84.4	10.2	82.7	10.0	81.9	9.7	80.7	94.8
Vermont	100.0	76.1	100.0	83.2	100.0	75.8	100.0	73.7
Virginia	NA	NA	64.4	13.7	66.4	11.5	NA	NA
Washington	NA	NA	94.4	26.9	89.0	24.4	NA	NA
West Virginia	64.2	NA	53.1	6.9	51.4	11.7	32.8	9.6
Wisconsin	NA	NA	76.9	20.5	78.4	20.0	73.0	15.0
Wyoming	70.6	4.4	89.6	2.9	90.2	3.1	85.5	3.4
Total	**62.6**	**15.6**	**61.9**	**17.7**	**66.2**	**16.9**	**57.2**	**18.5**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2001							
	September		August		July		June	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	70.8	14.1	71.8	13.9	71.7	13.5	70.7	13.8
Alaska	68.9	94.4	71.6	NA	70.6	91.5	73.2	92.8
Arizona	93.4	54.9	91.6	45.8	92.8	65.5	93.9	56.8
Arkansas	40.9	3.6	38.9	3.9	NA	10.3	NA	NA
California	60.8	4.1	60.6	4.3	60.1	4.2	66.5	5.0
Colorado	100.0	1.3	100.0	2.2	100.0	2.2	100.0	1.0
Connecticut	NA	60.4	71.6	63.5	77.8	37.6	NA	46.8
Delaware	98.8	14.6	98.5	12.0	100.0	15.2	98.4	20.9
District of Columbia	19.2	—	27.1	—	19.0	—	21.3	—
Florida	41.7	1.7	45.5	2.3	46.3	1.4	49.5	4.6
Georgia	9.9	5.5	12.0	5.2	11.0	5.5	13.3	6.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	75.9	1.6	61.9	1.9	61.6	1.6	64.3	1.7
Illinois	30.9	7.3	23.2	5.6	26.7	5.4	25.5	6.2
Indiana	NA	NA	NA	0.8	NA	NA	NA	3.3
Iowa	60.1	4.4	81.7	4.4	NA	NA	71.5	2.7
Kansas	53.5	14.0	50.3	18.8	52.0	15.6	52.9	7.9
Kentucky	69.7	NA	75.0	14.6	71.5	14.6	63.9	13.3
Louisiana	NA	6.4	NA	4.6	NA	5.3	95.6	3.2
Maine	100.0	19.1	100.0	41.5	100.0	50.8	100.0	46.2
Maryland	NA	NA	28.6	6.7	28.2	1.9	28.2	2.4
Massachusetts	45.1	17.8	45.5	9.9	49.0	13.5	45.7	19.6
Michigan	49.2	5.8	40.1	5.6	41.6	5.0	48.3	5.1
Minnesota	98.7	36.5	97.6	44.4	98.8	38.8	99.4	38.8
Mississippi	NA	28.0	93.6	29.4	93.4	25.9	93.9	31.9
Missouri	67.2	9.0	65.4	7.3	67.9	8.9	69.8	9.5
Montana	67.7	1.0	69.8	0.1	68.6	0.9	69.0	1.9
Nebraska	58.1	11.8	61.3	11.4	60.6	7.3	56.1	14.9
Nevada	79.8	33.4	81.3	36.7	82.0	36.5	54.8	11.8
New Hampshire	52.6	31.6	45.6	21.3	84.0	10.0	88.6	13.4
New Jersey	39.8	17.8	36.6	3.7	36.7	3.2	37.7	4.8
New Mexico	63.6	12.3	64.4	11.7	62.4	3.8	60.1	5.3
New York	21.0	NA	22.9	17.5	22.3	17.1	55.1	18.9
North Carolina	86.9	19.9	86.1	17.9	87.1	21.3	88.3	25.3
North Dakota	84.5	8.1	84.1	4.8	83.8	1.1	82.0	5.6
Ohio	24.8	0.5	27.2	2.1	26.9	0.7	28.0	1.5
Oklahoma	35.1	2.6	42.5	2.5	33.6	1.5	40.2	2.0
Oregon	100.0	23.1	99.8	NA	90.9	26.5	99.7	21.0
Pennsylvania	52.9	6.5	54.5	6.0	57.4	6.4	58.3	4.0
Rhode Island	47.3	NA	46.2	100.0	44.1	100.0	52.6	100.0
South Carolina	93.6	77.5	95.8	77.8	51.5	77.9	96.0	77.4
South Dakota	75.6	17.2	75.3	15.5	NA	13.8	78.2	18.6
Tennessee	86.3	18.7	82.8	17.5	85.4	17.6	87.5	20.0
Texas	62.7	45.1	59.3	42.3	47.8	43.0	49.7	22.3
Utah	78.3	94.8	76.5	95.3	76.4	95.6	76.9	95.5
Vermont	100.0	71.0	100.0	68.1	100.0	66.3	100.0	68.4
Virginia	54.8	10.1	51.6	8.1	50.0	3.6	59.5	16.3
Washington	97.4	NA	97.1	11.6	97.7	7.9	97.7	30.7
West Virginia	48.7	6.7	49.2	10.1	52.4	8.8	44.5	NA
Wisconsin	60.2	10.3	56.6	11.7	68.8	11.6	67.8	NA
Wyoming	89.6	2.9	79.2	2.9	84.4	2.6	97.2	3.3
Total	**53.5**	**18.2**	**53.7**	**17.2**	**53.3**	**17.9**	**60.8**	**12.1**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2001							
	May		April		March		February	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	73.3	10.1	80.6	12.6	77.3	12.2	84.3	15.0
Alaska	65.6	97.2	65.7	99.7	67.9	99.6	64.6	99.6
Arizona	92.7	53.9	89.3	51.4	95.7	50.8	91.5	52.5
Arkansas	NA	10.8	NA	10.7	NA	13.6	NA	NA
California	63.0	5.8	52.2	6.7	64.6	8.5	66.8	8.5
Colorado	100.0	0.5	100.0	0.2	99.8	—	100.0	0.1
Connecticut	77.5	61.3	73.1	52.8	77.8	53.5	74.4	51.2
Delaware	98.5	15.2	98.7	13.4	98.5	20.4	98.7	29.7
District of Columbia	23.9	—	24.1	—	28.8	—	28.2	—
Florida	53.4	4.2	57.7	3.5	56.3	2.8	59.2	3.7
Georgia	13.3	6.2	NA	NA	9.1	6.7	13.5	8.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	69.5	2.1	86.4	2.1	88.6	2.5	90.3	3.2
Illinois	33.6	6.6	40.4	8.2	42.6	10.8	43.7	13.6
Indiana	NA	3.8	NA	6.3	NA	6.5	NA	13.3
Iowa	69.7	6.0	77.2	4.7	83.2	6.3	84.9	8.8
Kansas	55.4	6.4	67.1	2.4	64.8	2.6	63.8	2.4
Kentucky	73.6	15.0	75.6	11.6	82.7	16.4	84.0	18.9
Louisiana	95.7	4.3	97.2	8.6	NA	6.3	97.0	8.3
Maine	100.0	38.2	100.0	91.0	100.0	93.6	100.0	98.4
Maryland	30.4	4.1	35.2	3.3	46.2	3.9	45.4	4.8
Massachusetts	48.7	22.7	61.8	25.2	63.9	42.5	63.4	34.6
Michigan	57.8	8.3	62.6	12.5	68.2	14.4	68.8	16.2
Minnesota	97.6	35.3	98.6	41.4	99.4	48.0	98.7	53.0
Mississippi	92.5	24.3	95.1	31.8	95.7	25.3	87.3	35.1
Missouri	71.6	10.4	82.6	13.5	83.5	18.0	85.6	15.7
Montana	68.7	2.3	75.1	2.6	61.8	2.8	88.2	3.1
Nebraska	51.4	17.6	53.7	18.7	60.7	27.5	61.8	26.8
Nevada	58.0	12.0	64.2	18.1	65.3	15.4	73.5	23.1
New Hampshire	82.5	21.4	92.1	60.2	90.4	30.9	91.9	35.8
New Jersey	39.9	21.1	46.6	13.5	47.9	15.0	43.6	26.3
New Mexico	60.6	5.5	48.5	47.9	66.4	31.2	68.0	27.4
New York	56.2	20.9	65.0	17.6	66.5	21.1	69.2	25.0
North Carolina	93.5	28.6	96.1	30.0	96.9	28.5	98.2	31.0
North Dakota	85.8	5.9	88.9	8.3	89.4	16.8	92.2	13.9
Ohio	27.2	1.7	40.5	2.8	43.9	4.7	42.9	4.4
Oklahoma	51.5	1.8	61.0	3.2	58.8	4.3	61.5	4.9
Oregon	99.2	20.8	99.4	20.5	100.0	18.9	100.0	17.3
Pennsylvania	59.2	6.2	62.3	8.2	NA	9.1	NA	13.6
Rhode Island	60.2	100.0	63.9	100.0	62.5	100.0	64.9	100.0
South Carolina	96.5	76.5	97.4	81.5	96.8	81.4	98.3	86.5
South Dakota	83.9	14.1	84.1	21.7	86.7	27.3	85.1	34.3
Tennessee	88.2	18.1	92.8	18.0	92.8	22.3	95.0	22.8
Texas	31.7	21.3	50.6	22.0	50.4	21.3	48.3	22.8
Utah	80.0	94.8	84.6	92.2	85.7	94.0	87.6	94.2
Vermont	100.0	75.6	100.0	79.4	100.0	79.7	100.0	80.4
Virginia	57.0	8.8	NA	12.4	77.9	14.3	79.8	16.7
Washington	89.9	30.9	96.0	33.5	94.8	38.9	94.9	37.0
West Virginia	52.6	NA	72.7	9.7	76.9	NA	80.1	6.9
Wisconsin	NA	NA	75.5	17.3	73.8	25.1	81.1	25.4
Wyoming	93.6	2.8	66.5	4.8	57.3	7.3	59.6	8.1
Total	**56.5**	**12.0**	**63.4**	**13.8**	**65.8**	**14.4**	**66.9**	**15.6**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2001		2000					
	January		Total		December		November	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	85.8	16.7	81.2	22.5	83.6	27.5	73.7	24.9
Alaska	65.3	99.6	59.2	99.8	60.4	99.6	57.9	99.6
Arizona	91.6	44.7	83.7	38.0	89.8	36.9	82.9	46.0
Arkansas	NA	14.6	89.9	8.2	95.5	13.9	93.0	8.3
California	64.1	9.5	57.5	5.1	63.5	5.8	56.4	5.2
Colorado	99.9	—	97.4	12.1	96.1	10.6	95.7	12.2
Connecticut	76.5	68.4	78.4	46.0	78.9	48.4	75.7	53.9
Delaware	98.4	11.1	98.0	8.1	97.5	9.0	97.5	11.7
District of Columbia	32.5	—	35.6	—	32.7	—	27.2	—
Florida	60.7	4.7	67.5	4.4	67.5	4.1	63.1	3.4
Georgia	12.0	9.9	17.0	19.3	11.1	21.2	10.8	22.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	88.8	3.3	86.3	2.7	87.9	2.8	83.2	2.3
Illinois	46.6	13.4	41.9	8.7	43.5	13.2	45.2	10.9
Indiana	NA	14.2	78.0	9.8	83.0	16.2	79.3	15.6
Iowa	92.6	8.0	81.1	7.0	84.2	11.9	82.2	8.2
Kansas	68.1	2.5	58.3	10.3	60.1	2.7	44.7	3.6
Kentucky	88.0	23.7	85.6	19.1	84.2	22.5	87.2	17.5
Louisiana	96.2	8.5	96.3	11.0	95.3	10.9	94.5	10.8
Maine	—	94.1	100.0	43.5	100.0	16.4	100.0	23.5
Maryland	44.6	7.8	39.2	5.3	50.4	6.4	42.1	2.8
Massachusetts	67.4	34.6	63.1	13.5	67.9	18.4	61.4	14.9
Michigan	68.4	17.6	58.6	7.8	67.8	12.5	60.0	8.1
Minnesota	98.0	28.0	97.3	40.0	98.3	46.3	97.5	44.7
Mississippi	96.6	29.0	95.5	27.1	96.2	29.9	94.8	28.3
Missouri	89.4	23.7	80.1	17.1	84.4	25.4	73.3	14.0
Montana	76.3	3.0	73.5	1.9	81.7	3.1	78.3	2.1
Nebraska	78.2	23.1	60.5	13.8	53.8	18.5	70.2	18.6
Nevada	73.8	30.0	54.7	4.4	74.7	4.9	53.7	4.0
New Hampshire	90.3	30.7	86.4	34.8	80.6	31.7	83.6	23.7
New Jersey	44.1	25.5	56.9	44.4	56.1	44.6	62.2	41.1
New Mexico	67.9	22.4	61.4	18.9	71.9	15.7	74.0	20.6
New York	67.7	15.1	36.0	3.4	37.8	3.7	34.9	3.4
North Carolina	98.8	38.3	96.5	52.5	96.8	41.4	89.8	28.5
North Dakota	92.3	15.3	89.3	16.1	92.8	25.3	91.7	19.7
Ohio	50.3	6.1	45.0	5.5	49.6	8.3	42.3	7.5
Oklahoma	82.4	8.2	72.3	4.1	82.8	7.9	72.7	4.1
Oregon	100.0	27.5	98.8	13.0	98.8	20.3	98.8	14.6
Pennsylvania	NA	14.4	60.5	11.6	66.3	16.0	62.0	12.6
Rhode Island	64.4	100.0	53.3	5.9	55.0	3.3	45.8	6.4
South Carolina	99.0	91.1	98.7	86.5	98.6	85.7	96.1	82.7
South Dakota	88.3	43.5	83.1	28.3	89.6	42.4	83.2	24.1
Tennessee	95.8	26.8	92.5	38.4	94.6	35.6	92.5	37.6
Texas	56.0	23.6	76.3	30.1	77.8	34.0	72.2	36.4
Utah	88.4	94.9	83.9	10.0	87.0	10.0	85.6	10.0
Vermont	100.0	96.0	100.0	83.8	100.0	93.0	100.0	83.9
Virginia	75.3	19.3	66.4	13.4	74.1	8.7	69.5	19.1
Washington	95.1	39.7	92.7	27.1	95.4	27.1	76.8	29.1
West Virginia	76.9	6.5	56.6	7.6	75.2	11.7	58.7	11.1
Wisconsin	81.7	24.1	78.1	22.4	82.4	32.9	78.4	25.3
Wyoming	79.3	5.2	90.0	2.9	96.8	3.0	84.2	2.6
Total	**69.0**	**15.8**	**62.9**	**18.1**	**67.5**	**20.4**	**63.0**	**19.8**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	October		September		August		July	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	74.2	22.7	76.3	21.5	79.3	21.2	79.0	20.4
Alaska	59.3	99.6	61.5	99.7	63.8	99.9	64.3	99.9
Arizona	77.5	39.2	80.6	33.0	84.1	33.7	81.4	32.3
Arkansas	82.4	8.8	76.9	5.5	84.9	6.3	80.7	6.8
California	57.0	3.8	49.8	3.7	47.5	3.5	52.3	4.0
Colorado	93.1	11.5	99.1	11.6	99.3	14.5	96.4	15.1
Connecticut	79.8	56.1	82.7	35.7	81.0	62.8	83.0	48.7
Delaware	97.8	5.9	94.9	9.3	98.5	7.0	98.7	2.4
District of Columbia	23.5	—	20.5	—	22.4	—	29.4	—
Florida	64.0	4.5	64.7	4.4	64.7	4.2	65.2	4.1
Georgia	14.7	19.9	16.9	17.6	16.3	16.7	16.4	15.8
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	76.4	2.4	80.6	1.9	81.9	2.5	83.3	2.1
Illinois	34.1	7.0	34.1	6.6	30.0	5.4	27.3	6.2
Indiana	73.0	9.6	70.3	10.2	66.6	8.1	67.1	8.2
Iowa	77.1	7.2	71.7	5.8	77.7	4.5	71.5	3.6
Kansas	49.0	7.6	52.3	15.6	44.6	21.4	45.4	20.1
Kentucky	83.8	17.4	81.8	16.3	80.8	19.3	81.7	17.7
Louisiana	96.2	9.6	96.1	10.1	96.1	9.5	95.9	12.7
Maine	100.0	39.2	100.0	47.4	100.0	44.0	100.0	51.7
Maryland	38.2	7.6	30.4	6.9	33.3	2.6	29.7	6.7
Massachusetts	58.3	8.8	67.6	9.8	51.2	6.6	51.1	9.9
Michigan	50.8	6.3	43.2	4.0	41.4	4.0	36.9	4.3
Minnesota	98.9	43.3	99.0	34.7	98.6	42.2	97.3	38.0
Mississippi	94.7	29.9	94.4	25.7	93.5	30.2	94.2	28.0
Missouri	62.5	9.1	81.5	25.2	67.3	15.5	70.0	11.4
Montana	73.3	1.6	68.7	0.8	65.1	0.8	65.8	0.9
Nebraska	65.3	16.2	62.9	6.8	64.9	14.8	67.6	6.0
Nevada	47.3	2.4	44.7	1.9	40.9	1.8	35.5	2.9
New Hampshire	77.4	27.7	73.3	32.0	69.5	33.3	73.3	37.0
New Jersey	53.9	33.5	41.5	37.0	81.7	43.4	42.1	28.4
New Mexico	75.9	28.2	44.4	28.4	56.9	26.2	51.6	18.7
New York	34.4	3.2	37.7	3.6	38.9	3.1	37.8	3.0
North Carolina	99.5	66.5	99.8	63.9	84.9	30.8	100.0	69.8
North Dakota	87.8	11.8	82.4	9.1	83.6	9.9	80.2	16.2
Ohio	39.0	2.7	35.6	2.4	33.7	1.9	33.5	3.0
Oklahoma	56.9	3.2	47.7	2.7	53.4	2.8	50.1	2.8
Oregon	98.8	12.7	98.8	12.2	98.8	9.8	98.8	11.7
Pennsylvania	55.7	10.7	62.9	11.0	51.0	10.8	54.4	11.3
Rhode Island	40.0	6.1	38.9	4.6	39.4	5.9	41.7	4.3
South Carolina	100.0	87.7	100.0	88.3	96.1	82.9	100.0	88.6
South Dakota	80.8	26.2	72.2	12.9	78.8	10.7	74.0	13.9
Tennessee	88.6	43.6	78.0	41.4	88.2	32.6	86.6	32.7
Texas	71.9	27.6	72.2	28.9	73.3	31.7	73.9	31.6
Utah	79.7	9.7	79.7	10.0	74.5	10.7	77.3	10.1
Vermont	100.0	82.3	100.0	82.9	100.0	79.6	100.0	81.0
Virginia	66.1	14.9	62.7	12.9	55.9	14.0	54.7	11.2
Washington	93.6	28.7	91.9	28.6	91.5	26.7	92.1	26.1
West Virginia	50.4	6.8	35.9	6.2	36.5	5.8	39.6	7.0
Wisconsin	71.3	19.8	63.1	17.1	65.7	16.7	65.0	16.1
Wyoming	87.0	3.2	85.6	3.0	86.1	2.6	87.6	2.7
Total	**58.5**	**16.6**	**56.0**	**16.5**	**57.7**	**17.1**	**55.5**	**17.6**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	June		May		April		March	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	77.2	20.3	80.4	19.9	79.1	21.2	81.2	21.2
Alaska	70.2	99.9	54.1	99.8	59.7	99.9	61.1	99.8
Arizona	82.0	37.6	80.1	31.9	81.0	26.7	82.2	37.6
Arkansas	82.7	7.3	83.5	7.6	81.2	7.3	92.9	7.8
California	59.3	4.2	54.5	5.1	59.1	7.1	60.3	7.5
Colorado	95.8	14.3	98.7	14.8	98.8	11.2	98.3	11.6
Connecticut	80.7	42.0	79.4	44.1	77.0	28.6	79.3	43.0
Delaware	98.3	7.4	98.6	5.6	98.7	8.5	97.2	9.0
District of Columbia	28.8	—	30.8	—	35.0	—	38.3	—
Florida	66.4	5.3	68.2	4.7	69.0	5.1	70.3	4.0
Georgia	19.1	16.4	44.7	16.0	18.6	19.1	20.0	20.1
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	84.4	2.0	83.5	2.3	88.0	2.7	88.0	3.6
Illinois	26.9	5.5	33.6	5.2	41.7	8.1	45.4	8.7
Indiana	65.2	8.5	72.0	6.0	79.3	8.4	79.2	8.6
Iowa	68.9	7.0	54.5	4.6	79.3	5.4	84.2	6.3
Kansas	47.6	13.9	56.3	9.1	64.0	5.9	60.8	7.3
Kentucky	78.5	19.8	79.3	18.2	85.5	18.0	85.8	18.0
Louisiana	96.7	12.0	96.8	10.7	97.4	10.7	97.4	11.4
Maine	100.0	60.5	100.0	57.6	100.0	55.1	100.0	57.1
Maryland	25.2	3.2	29.8	5.0	30.3	2.2	38.2	6.2
Massachusetts	50.8	11.1	55.9	13.6	57.6	14.3	60.0	19.0
Michigan	41.9	4.9	51.2	6.0	56.4	7.5	61.3	8.6
Minnesota	96.3	25.7	99.2	60.1	96.1	39.8	95.8	40.9
Mississippi	92.8	27.3	94.3	27.0	95.6	24.7	96.4	25.1
Missouri	69.2	11.2	76.0	13.0	79.9	16.4	82.6	17.7
Montana	60.0	1.1	63.5	1.4	67.7	1.8	74.8	2.4
Nebraska	48.4	11.3	53.8	15.3	56.3	14.8	59.0	16.5
Nevada	45.0	3.2	47.0	3.1	52.6	4.4	59.7	9.4
New Hampshire	78.1	35.5	82.8	43.3	86.0	38.3	94.3	44.8
New Jersey	55.3	54.6	79.1	49.9	52.9	49.9	52.9	50.3
New Mexico	46.8	19.5	52.0	15.8	31.5	17.4	63.8	12.7
New York	33.9	2.8	34.6	3.1	33.3	3.2	34.7	3.3
North Carolina	100.0	74.0	100.0	67.0	99.8	64.5	91.9	32.3
North Dakota	82.6	5.1	82.2	12.9	88.4	18.8	89.3	18.5
Ohio	29.1	3.4	42.6	3.9	45.3	5.3	43.8	6.3
Oklahoma	69.5	2.3	62.2	3.2	70.3	3.9	74.8	4.9
Oregon	98.8	12.6	98.8	6.7	98.8	12.3	98.8	14.7
Pennsylvania	59.2	10.0	56.4	10.5	57.4	10.3	60.1	10.2
Rhode Island	46.0	5.9	60.6	6.1	48.9	6.3	60.1	6.3
South Carolina	100.0	88.4	100.0	89.9	100.0	89.9	96.5	84.0
South Dakota	74.8	18.5	80.2	31.1	95.9	43.6	70.0	45.0
Tennessee	88.0	43.3	91.3	43.3	93.0	35.2	94.1	37.6
Texas	76.4	30.5	74.6	25.9	76.5	27.1	76.8	29.4
Utah	77.3	11.6	76.4	10.3	78.8	7.3	83.8	11.4
Vermont	100.0	92.4	100.0	82.0	100.0	81.5	100.0	80.8
Virginia	53.0	10.1	53.4	13.9	61.5	8.1	63.1	17.4
Washington	92.0	24.2	93.0	25.8	94.7	25.3	96.0	27.5
West Virginia	37.4	6.3	49.0	5.3	51.9	7.9	49.4	5.3
Wisconsin	67.2	16.4	72.4	13.2	77.2	22.1	79.7	22.6
Wyoming	95.3	11.3	89.9	2.0	93.6	1.6	88.0	2.3
Total	**56.5**	**18.1**	**59.6**	**17.0**	**61.2**	**18.0**	**62.4**	**18.2**

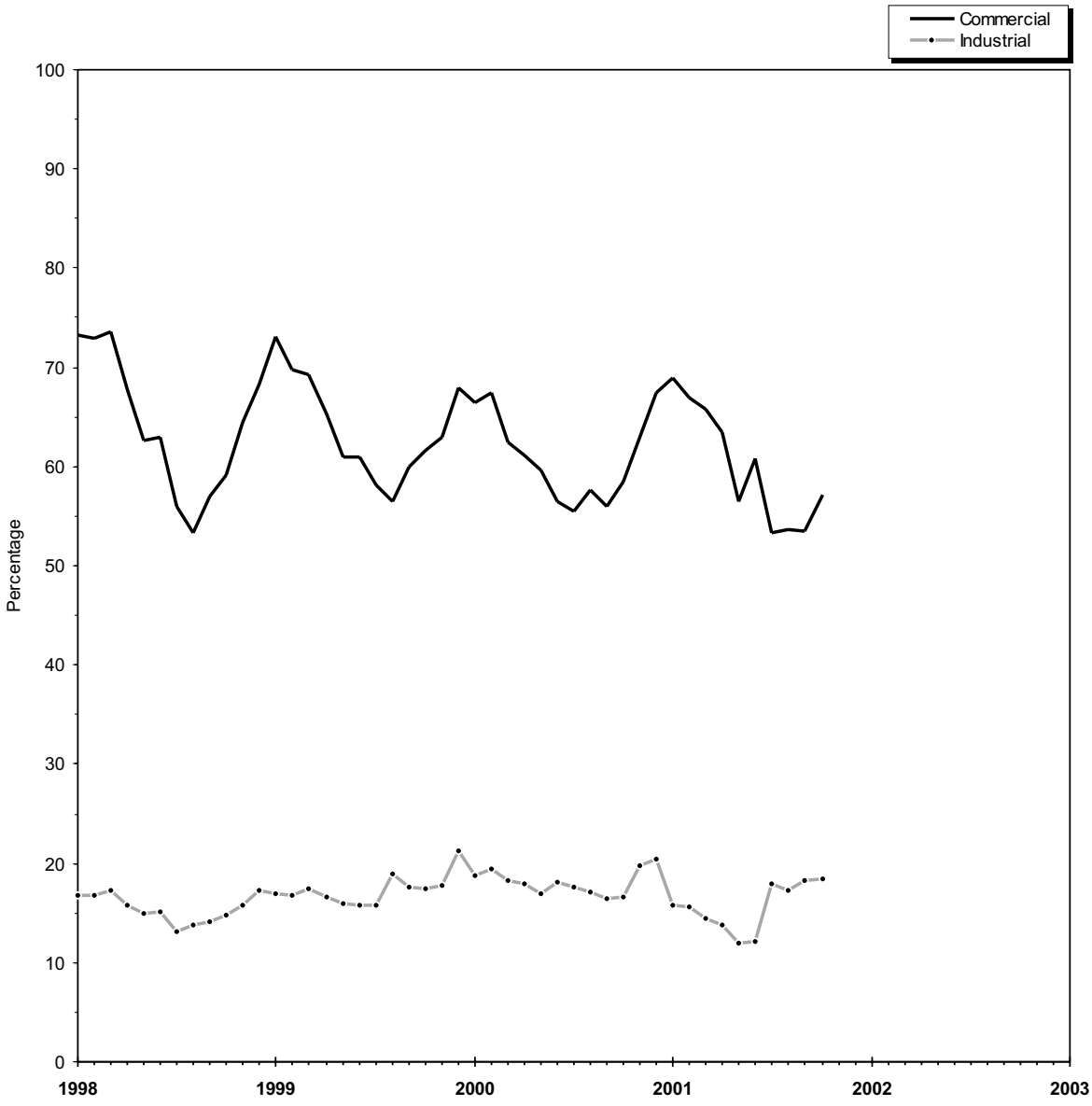
NA Not Available.
— Not Applicable.

Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1998-2001



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 26. Gas Home Customer-Weighted Heating Degree Days

Census Divisions	November 1 through November 30					December 1 through December 31				
				Percent Change					Percent Change	
	Normal[a]	2000	2001	Normal to 2001	2000 to 2001	Normal[a]	2000	2001	Normal to 2001	2000 to 2001
New England										
CT, ME, MA, NH, RI, VT	693	723	597	-13.9	-17.4	1,073	1,194	869	-19.0	-27.2
Middle Atlantic										
NJ, NY, PA	645	692	490	-24.0	-29.2	1,009	1,178	794	-21.3	-32.6
East North Central										
IL, IN, MI, OH, WI	730	788	507	-30.5	-35.7	1,142	1,441	930	-18.6	-35.5
West North Central										
IA, KS, MN, MO, ND, NE, SD	788	921	528	-33.0	-42.7	1,235	1,546	1,023	-17.2	-33.8
South Atlantic										
DE, FL, GA, MD and DC, NC, SC, VA, WV	421	499	311	-26.1	-37.7	696	897	551	-20.8	-38.6
East South Central										
AL, KY, MS, TN	431	508	307	-28.8	-39.6	716	977	582	-18.7	-40.4
West South Central										
AR, LA, OK, TX	279	396	215	-22.9	-45.7	533	724	461	-13.5	-36.3
Mountain										
AZ, CO, ID, MT, NV, NM, UT, WY	715	925	618	-13.6	-33.2	1,006	1,000	998	-0.8	-0.2
Pacific[b]										
CA, OR, WA	342	445	307	-10.2	-31.0	519	476	513	-1.2	7.8
U.S. Average[b]	559	649	421	-24.7	-35.1	881	1,053	743	-15.7	-29.4

	Cumulative November 1 through December 31				
				Percent Change	
	Normal[a]	2000	2001	Normal to 2001	2000 to 2001
New England					
CT, ME, MA, NH, RI, VT	1,766	1,917	1,466	-17.0	-23.5
Middle Atlantic					
NJ, NY, PA	1,654	1,870	1,284	-22.4	-31.3
East North Central					
IL, IN, MI, OH, WI	1,872	2,229	1,437	-23.2	-35.5
West North Central					
IA, KS, MN, MO, ND, NE, SD	2,023	2,467	1,551	-23.3	-37.1
South Atlantic					
DE, FL, GA, MD and DC, NC, SC, VA, WV	1,117	1,396	862	-22.8	-38.3
East South Central					
AL, KY, MS, TN	1,147	1,485	889	-22.5	-40.1
West South Central					
AR, LA, OK, TX	812	1,120	676	-16.7	-39.6
Mountain					
AZ, CO, ID, MT, NV, NM, UT, WY	1,721	1,925	1,616	-6.1	-16.1
Pacific[b]					
CA, OR, WA	861	921	820	-4.8	-11.0
U.S. Average[b]	1,440	1,702	1,164	-19.2	-31.6

[a] Normal is based on calculations of data from 1961 through 1990.

[b] Excludes Alaska and Hawaii.

Note: See Appendix A, Explanatory Note 10 for discussion of Heating Degree-Days computations.

Sources: National Oceanic and Atmospheric Administration.

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (*NGM*). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated from Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported of Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the Short-Term Energy Outlook.

For production, total supply and disposition, and storage data (Tables l, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the *NGM*, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production — carbon dioxide, helium, hydrogen sulfide, and nitrogen — are reported by State agencies on the voluntary Form EIA-895. Eleven of the 33 producing States reported data on nonhydrocarbon gases removed during 1999. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. States reporting monthly data on nonhydrocarbon gases removed are estimated based on annual data reported on Form EIA-895. States' nonhydrocarbon gases as an annual percentage of gross withdrawals reported is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from

storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data are the sums of monthly data reported on the annual Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," annual schedule.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual.*

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous

month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation off sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-895 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data

was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures closing price for near-month delivery at the Henry Hub, and prevailing cash market prices (spot prices) at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is reported in the trade publication, Gas Daily (published by Financial Times Energy). The spot prices are published in another trade publication, Natural Gas Week (Energy Intelligence Group), and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through the present. A statistical procedure was adopted beginning with publication of the February 1999 issue of the Natural Gas Monthly. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply / disposition.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the Natural Gas Monthly is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers were categorized as firm or interruptible. Commercial and industrial consumers were categorized as nonutility power producers or as those excluding nonutility power producers.

Approval of the Form EIA-176 for use through 1999 was received in 1996 from OMB. The form was modified as outlined in the "Change in Definition of Consumption Sector" below.

After being approved by the OMB in 1999, the Form EIA-176 was revised to: (1) change the filing date from April 1 following the end of the report year to March 1 following the end of the report year, (2) remove the requirement to distinguish between firm and interruptible deliveries to consumers; and (3) remove the requirement to distinguish between gas volumes delivered to commercial and industrial consumers having nonutility generation of electricity from those not generating electricity.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 2000 for report year 1999 totaled 1,872 questionnaire packages. To this original mailing, 8 names were added and 18 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,847 responses from approximately 1,400 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,826 responses were entered into the data base, and there were 21 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by March 1st. Extensions of the filing deadline for up to 30 days are granted to any respondent upon request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

Form EIA-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the

Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month were added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period. Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, all participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data on the quantities of nonhydrocarbon gases removed in 1999 were reported by the appropriate agencies of 11 of the 33 producing States. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (114,657), Colorado (380,081), and New Mexico (610,062).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base.

Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual.*

EIA-191 Survey, "Monthly Underground Gas Storage Report"

Survey Design

The Form EIA-191, "Monthly Underground Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 140 companies that operate underground facilities file the Form EIA-191. The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the December submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publications *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

"Quarterly Natural Gas Import and Export Sales and Price Report"

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and the Form EIA-759, "Monthly Power Plant Report.") See Appendix C for a discussion of the sample design and estimation procedures.

Appendix B

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,468 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1999 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1999. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 386 respondent companies.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value ($C_{.j}$) were included in the certainty stratum. The formula for $C_{.j}$ was:

$$C_{.j} = \frac{X_{.j}}{2n} \qquad (1)$$

where:

$C_{.j}$ = cutoff value for consumer sector j,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j,

$X_{i.}$ = the sum within State of annual gas volumes for company i,

$X_{.j}$ = the sum within State of annual gas volumes in consumer sector j,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors ($X_{i.}$). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n\frac{X2}{X..} \qquad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X2 = the sum within State of the Xi. for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using.

$$I = \frac{X2}{m}$$

A uniform random number R was selected between zero and I. The first sampled company was the first company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than R + I. R + I was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In four States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X2 was the sum within State of the $X_{i.}$ for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Colorado: companies delivering more than four billion cubic feet of natural gas during 1979 and those delivering less than that amount.

Louisiana: companies delivering only to industrial consumers and other companies.

Texas: companies delivering only to industrial consumers; companies delivering to industrial and commercial consumers only; companies delivering to residential and commercial consumers only; and those delivering to all three sectors.

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sam-

pled. The following annual data are taken from the most recent submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_{.j}}{Y'_{.j}} \qquad (3)$$

where:

Y_j = the sum within State of annual gas volumes in consumer sector j for all companies,

$Y'_{.j}$ = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} = {}_{y.j} \times E_{vj} \qquad (4)$$

where:

V_j = the State estimate of monthly gas volumes in consumer sector *j*,

y_j = the sum within State of reported monthly gas volumes in consumer sector *j*.

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V'_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j,

R_j = the reported revenue from natural gas sales within the State in consumer sector j,

V_j = the reported volume of natural gas sales within the State in consumer sector j.

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_{t-1} \times \frac{y_{.jt}}{y_{.jt-1}} \qquad (5)$$

where:

F_t = imputed gas volume for current month t,

F_{t-1} = gas volume for the company for the previous month,

$y_{.jt}$ = gas volume reported by companies in the State stratum for report month t,

$y_{.jt-1}$ = gas volume in the previous month for companies in the State stratum that reported in month t.

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to

monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V^{*}_{jm} = V_{jm} + \left[(V_{ja} - V'_{jm})\left(\frac{V_{jm}}{V'_{jm}}\right) \right] \qquad (6)$$

where:

V^{*}_{jm} = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V'_{jm} = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R^{*}_{jm} = R_{jm} + \left[(R_{ja} - R'_{jm})\left(\frac{R_{jm}}{R'_{jm}}\right) \right] \qquad (7)$$

where:

R^{*}_{jm} = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{Y}) = \sum_{h=1}^{H} \left[N_h^2 \frac{(1 - \frac{n_h}{N_h}}{n_h(n_h - 1)} \left(\sum_{i=1} (y_i - Tx_i)^2 \right) \right] \quad (8)$$

where:

H = the total number of strata

N_h= the total number of companies in stratum h

n_h= the sample size in stratum h

y_i= the reported monthly volume for company i

x_i= the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, October 2001

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	886	3,271	2,796	4,393	5.05	NA	NA
Alaska	0	0	0	0	—	—	—
Arizona	16	96	0	97	0.18	0.16	—
Arkansas	88	382	147	418	0.55	0.20	1.80
California	90	64	1,279	1,283	0.06	0.16	0.19
Colorado	489	95	655	823	1.27	0.43	1.03
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	215	285	1,007	1,068	1.16	1.01	2.58
Georgia	2,014	261	3,402	3,962	2.06	4.19	1.65
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	839	1,621	3,916	4,321	0.18	0.67	0.41
Indiana	2,397	927	7,195	7,640	2.18	1.25	3.35
Iowa	99	22	26	105	0.16	0.08	0.61
Kansas	322	3,020	8,412	8,944	0.89	8.36	4.99
Kentucky	218	38	687	722	0.15	1.28	0.20
Louisiana	NA	NA	3,988	NA	NA	NA	0.01
Maine	0	0	0	0	—	—	—
Maryland	7	24	65	70	0.01	NA	1.03
Massachusetts	0	0	0	0	—	—	—
Michigan	254	176	493	581	0.20	0.27	0.49
Minnesota	894	143	780	1,195	0.51	0.76	0.55
Mississippi	12	61	433	437	0.07	0.51	1.74
Missouri	109	136	923	939	0.17	0.09	0.81
Montana	5	7	0	8	0.01	0.01	—
Nebraska	62	7	111	127	0.11	0.08	NA
Nevada	0	0	0	0	—	—	—
New Hampshire	0	0	0	0	—	—	—
New Jersey	0	0	0	0	—	—	—
New Mexico	225	340	679	793	0.84	0.27	NA
New York	472	1,881	2,869	3,463	0.51	0.17	0.58
North Carolina	137	45	770	783	0.10	0.04	1.08
North Dakota	0	0	0	0	—	—	—
Ohio	430	1,124	1,736	2,113	0.22	0.28	NA
Oklahoma	205	3,867	528	3,908	0.79	1.14	NA
Oregon	0	0	0	0	—	—	—
Pennsylvania	260	521	3,335	3,386	0.90	0.32	0.04
Rhode Island	NA	0	NA	NA	NA	—	NA
South Carolina	44	235	212	320	0.61	0.72	0.33
South Dakota	0	0	0	0	—	—	—
Tennessee	471	913	766	1,281	2.09	3.49	1.80
Texas	NA	NA	10,331	NA	NA	NA	0.19
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	NA	NA	NA	NA	NA	NA	NA
Washington	NA	NA	NA	NA	NA	NA	NA
West Virginia	57	841	1,124	1,405	0.27	0.13	1.37
Wisconsin	0	0	0	0	—	—	—
Wyoming	28	46	32	62	0.26	0.33	1.39
Total	**3,672**	**6,874**	**17,635**	**19,280**	**0.17**	**0.16**	**0.28**

NA Not Available.
— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly: Annual:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Margaret Natof (202)586-6303
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margaret Natof (202)586-6303
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Margaret Natof (202)586-6303
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202)586-6106
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Margaret Natof (202)586-6303
Producer Related Activities: Natural Gas Production	7,8	Monthly:	Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13,14	Monthly:	Form EIA-191, "Monthly Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	 15 16 17 18 19	 Monthly:	 Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	 Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility Onsystem Sales	 20 21 22 23 24 25	 Monthly: Monthly:	 Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants" Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	 Roy Kass (202)586-4790 Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights				Mary Carlson (202)586-4749

Glossary

Aquifer Storage Field: A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depleted Storage Field: A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and / or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.